



PEER-REVIEW REPORT

Name of journal: World Journal of Meta-Analysis

Manuscript NO: 63686

Title: Trends in iron deficiency anemia research 2001-2020: a bibliometric analysis

Reviewer's code: 00186248

Position: Peer Reviewer

Academic degree: BSc, MPhil, PhD

Professional title: Director, Professor

Reviewer's Country/Territory: Taiwan

Author's Country/Territory: United States

Manuscript submission date: 2021-01-31

Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2021-03-31 17:06

Reviewer performed review: 2021-03-31 20:48

Review time: 3 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input checked="" type="checkbox"/> Grade E: Do not publish
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input checked="" type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

SPECIFIC COMMENTS TO AUTHORS

“All articles were searched using the Clarivate Analytics World of Science Core Collection (WOSCC) on August 30, 2020.” The method is not appropriate. the title of the manuscript is “Trends in iron deficiency anemia research 2001-2020: a bibliometric analysis”. It is impossible to know the number of articles in 2020 in World of Science Core Collection on August 30, 2020. The database used is not appropriate. Web of Science Core Collection includes Web of Science Core Collection: Citation Indexes 1. Science Citation Index Expanded (SCI-EXPANDED) -- 1900-present 2. Social Sciences Citation Index (SSCI) -- 1900-present 3. Arts & Humanities Citation Index (A&HCI) -- 1975-present 4. Conference Proceedings Citation Index - Science (CPCI-S) -- 1990-present 5. Conference Proceedings Citation Index - Social Sciences & Humanities (CPCI-SSH) -- 1990-present 6. Book Citation Index- Science (BKCI-S) -- 2005-present 7. Book Citation Index- Social Sciences & Humanities (BKCI-SSH) -- 2005-present 8. Emerging Sources Citation Index (ESCI) -- 2015-present Web of Science Core Collection: Chemical Indexes 1. Current Chemical Reactions (CCR-EXPANDED) 2. Index Chemicus (IC) Web of Science Core Collection is designed mainly for researchers to find published literature, not for bibliometric studies. It is unsuitable to use all of these different levels of databases. For example, ESCI complements the highly selective indexes by providing earlier visibility for sources under evaluation as part of the rigorous journal selection process of SCI-EXPANDED, SSCI, and A&HCI. “The study used publicly available data, and thus ethical approval was not required. The search criteria were topic (“iron deficiency anemia”), limited to document type (article OR review), language (English), and time span (2001-2020).” The authors noticed “All articles were searched using the Clarivate Analytics World of Science Core Collection (WOSCC) on August 30, 2020.” Why is “document type (article OR review)”? The results cannot be repeated that is a basis of scientific research. The search keywords is



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

not appropriate so that the authors missed some related papers, for example Shand, A.W., Bell, J., Henry, A., Grzeskowiak, L.E., Kidson-Gerber, G., Pearson, S. and Nassar, N. (2020), Rapid increase in intravenous iron therapy for women of reproductive age in Australia. *Medical Journal of Australia*, 213 (2), 85-86. Song, J.X., Wen, Y., Li, R.W., Dong, T., Tang, Y.F., Zhang, J.J. and Sa, Y.L. (2020), Phenotypic characterization of macrophages in the BMB sample of human acute leukemia. *Annals of Hematology*, 99 (3), 539-547. Qassim, A., Grivell, R.M., Henry, A., Kidson-Gerber, G., Shand, A. and Grzeskowiak, L.E. (2019), Intravenous or oral iron for treating iron deficiency anaemia during pregnancy: systematic review and meta-analysis. *Medical Journal of Australia*, 211 (8), 367-373. Aggarwal, S.N., Cavanagh, Y., Wang, L., Akmal, A. and Grossman, M.A. (2019), Upper Gastrointestinal Crohn's Disease: Literature Review and Case Presentation. *Case Reports in Gastrointestinal Medicine*, 2019, Article Number: 2708909. Chen, L.W., Wahlqvist, M.L., Teng, N.C. and Lu, H.M. (2009), Imputed food insecurity as a predictor of disease and mental health in Taiwanese elementary school children. *Asia Pacific Journal of Clinical Nutrition*, 18 (4), 605-619. Shreeve, W.W. (2007), Use of isotopes in the diagnosis of hematopoietic disorders. *Experimental Hematology*, 35 (4), 173-179. Vendt, N., Grunberg, H., Leedo, S., Tillmann, V. and Talvik, T. (2007), Prevalence and causes of iron deficiency anemias in infants aged 9 to 12 months in Estonia. *Medicina-Lithuania*, 43 (12), 947-952. Yeh, J.S. and Cheng, C.H. (2005), Using hierarchical soft computing method to discriminate microcyte anemia. *Expert Systems with Applications*, 29 (3), 515-524. Vacca, A., Ria, R., Ribatti, D., Semeraro, F., Djonov, V., Di Raimondo, F. and Dammacco, F. (2003), A paracrine loop in the vascular endothelial growth factor pathway triggers tumor angiogenesis and growth in multiple myeloma. *Haematologica*, 88 (2), 176-185. Study design is not accepted. Lots of papers do not contain search keywords "iron deficiency anemia" in their title, abstract, and author keywords, for example Vos, T., Flaxman, A.D., Naghavi, M., Lozano, R., Michaud, C.,



Baishideng Publishing Group

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

Ezzati, M., Shibuya, K., Salomon, J.A., Abdalla, S., Aboyans, V., Abraham, J., Ackerman, I., Aggarwal, R., Ahn, S.Y., Ali, M.K., Alvarado, M., Anderson, H.R., Anderson, L.M., Andrews, K.G., Atkinson, C., Baddour, L.M., Bahalim, A.N., Barker-Collo, S., Barrero, L.H., Bartels, D.H., Basanez, M.G., Baxter, A., Bell, M.L., Benjamin, E.J., Bennett, D., Bernabe, E., Bhalla, K., Bhandari, B., Bikbov, B., Bin Abdulhak, A., Birbeck, G., Black, J.A., Blencowe, H., Blore, J.D., Blyth, F., Bolliger, I., Bonaventure, A., Boufous, S.A., Bourne, R., Boussinesq, M., Braithwaite, T., Brayne, C., Bridgett, L., Brooker, S., Brooks, P., Brugha, T.S., Bryan-Hancock, C., Bucello, C., Buchbinder, R., Buckle, G.R., Budke, C.M., Burch, M., Burney, P., Burstein, R., Calabria, B., Campbell, B., Canter, C.E., Carabin, H., Carapetis, J., Carmona, L., Cella, C., Charlson, F., Chen, H.L., Cheng, A.T.A., Chou, D., Chugh, S.S., Coffeng, L.E., Colan, S.D., Colquhoun, S., Colson, K.E., Condon, J., Connor, M.D., Cooper, L.T., Corriere, M., Cortinovis, M., de Vaccaro, K.C., Couser, W., Cowie, B.C., Criqui, M.H., Cross, M., Dabhadkar, K.C., Dahiya, M., Dahodwala, N., msere-Derry, J., Danaei, G., Davis, A., De Leo, D., Degenhardt, L., Dellavalle, R., Delossantos, A., Denenberg, J., Derrett, S., Des Jarlais, D.C., Dharmaratne, S.D., Dherani, M., az-Torne, C., Dolk, H., Dorsey, E.R., Driscoll, T., Duber, H., Ebel, B., Edmond, K., Elbaz, A., Ali, S.E., Erskine, H., Erwin, P.J., Espindola, P., Ewoigbokhan, S.E., Farzadfar, F., Feigin, V., Felson, D.T., Ferrari, A., Ferri, C.P., Fevre, E.M., Finucane, M.M., Flaxman, S., Flood, L., Foreman, K., Forouzanfar, M.H., Fowkes, F.G.R., Franklin, R., Fransen, M., Freeman, M.K., Gabbe, B.J., Gabriel, S.E., Gakidou, E., Ganatra, H.A., Garcia, B., Gaspari, F., Gillum, R.F., Gmel, G., Gosselin, R., Grainger, R., Groeger, J., Guillemin, F., Gunnell, D., Gupta, R., Haagsma, J., Hagan, H., Halasa, Y.A., Hall, W., Haring, D., Haro, J.M., Harrison, J.E., Havmoeller, R., Hay, R.J., Higashi, H., Hill, C., Hoen, B., Hoffman, H., Hotez, P.J., Hoy, D., Huang, J.J., Ibeanusi, S.E., Jacobsen, K.H., James, S.L., Jarvis, D., Jasrasaria, R., Jayaraman, S., Johns, N., Jonas, J.B., Karthikeyan, G., Kassebaum, N., Kawakami, N., Keren, A., Khoo, J.P., King, C.H., Knowlton, L.M., Kobusingye, O.,



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

Koranteng, A., Krishnamurthi, R., Lalloo, R., Laslett, L.L., Lathlean, T., Leasher, J.L., Lee, Y.Y., Leigh, J., Lim, S.S., Limb, E., Lin, J.K., Lipnick, M., Lipshultz, S.E., Liu, W., Loane, M., Ohno, S.L., Lyons, R., Ma, J.X., Mabweijano, J., MacIntyre, M.F., Malekzadeh, R., Mallinger, L., Manivannan, S., Marcenes, W., March, L., Margolis, D.J., Marks, G.B., Marks, R., Matsumori, A., Matzopoulos, R., Mayosi, B.M., McAnulty, J.H., McDermott, M.M., McGill, N., McGrath, J., Medina-Mora, M.E., Meltzer, M., Mensah, G.A., Merriman, T.R., Meyer, A.C., Miglioli, V., Miller, M., Miller, T.R., Mitchell, P.B., Mocumbi, A.O., Moffitt, T.E., Mokdad, A.A., Monasta, L., Montico, M., Moradi-Lakeh, M., Moran, A., Morawska, L., Mori, R., Murdoch, M.E., Mwaniki, M.K., Naidoo, K., Nair, M.N., Naldi, L., Narayan, K.M.V., Nelson, P.K., Nelson, R.G., Nevitt, M.C., Newton, C.R., Nolte, S., Norman, P., Norman, R., O'Donnell, M., O'Hanlon, S., Olives, C., Omer, S.B., Ortblad, K., Osborne, R., Ozgediz, D., Page, A., Pahari, B., Pandian, J.D., Rivero, A.P., Patten, S.B., Pearce, N., Padilla, R.P. and Perez-Ruiz, F. (2012), Years lived with disability (YLDs) for 1160 sequelae of 289 diseases and injuries 1990-2010: a systematic analysis for the Global Burden of Disease Study 2010. *Lancet*, 380 (9859), 2163-2196. Malfertheiner, P., Megraud, F., O'Morain, C., Bazzoli, F., El-Omar, E., Graham, D., Hunt, R., Rokkas, T., Vakil, N. and Kuipers, E.J. (2007), Current concepts in the management of *Helicobacter pylori* infection: the maastricht III consensus report. *Gut*, 56 (6), 772-781. Bhutta, Z.A., Ahmed, T., Black, R.E., Cousens, S., Dewey, K., Giugliani, E., Haider, B.A., Kirkwood, B., Morris, S.S., Sachdev, H.P.S. and Shekar, M. (2008), Maternal and Child Undernutrition 3 - What works? Interventions for maternal and child undernutrition and survival. *Lancet*, 371 (9610), 417-440. Darmon, N. and Drewnowski, A. (2008), Does social class predict diet quality? *American Journal of Clinical Nutrition*, 87 (5), 1107-1117. Walker, S.P., Wachs, T.D., Gardner, J.M., Lozoff, B., Wasserman, G.A., Pollitt, E. and Carter, J.A. (2007), Child development in developing countries 2 - Child development: risk factors for adverse outcomes in developing countries. *Lancet*, 369 (9556), 145-157. Ludvigsson, J.F.,



Baishideng Publishing Group

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

Leffler, D.A., Bai, J.C., Biagi, F., Fasano, A., Green, P.H.R., Hadjivassiliou, M., Kaukinen, K., Kelly, C.P., Leonard, J.N., Lundin, K.E.A., Murray, J.A., Sanders, D.S., Walker, M.M., Zingone, F. and Ciacci, C. (2013), The Oslo definitions for coeliac disease and related terms. *Gut*, 62 (1), 43-52. Guralnik, J.M., Eisenstaedt, R.S., Ferrucci, L., Klein, H.G. and Woodman, R.C. (2004), Prevalence of anemia in persons 65 years and older in the United States: evidence for a high rate of unexplained anemia. *Blood*, 104 (8), 2263-2268. Walker, S.P., Wachs, T.D., Grantham-McGregor, S., Black, M.M., Nelson, C.A., Huffman, S.L., Baker-Henningham, H., Chang, S.M., Hamadani, J.D., Lozoff, B., Gardner, J.M.M., Powell, C.A., Rahman, A. and Richter, L. (2011), Child Development 1 Inequality in early childhood: risk and protective factors for early child development. *Lancet*, 378 (9799), 1325-1338. Levin, A. and Rocco, M. (2006), KDOQI clinical practice guidelines and clinical practice recommendations for anemia in chronic kidney disease - Foreword. *American Journal of Kidney Diseases*, 47 (5), S9-S145. Plum, L.M., Rink, L. and Haase, H. (2010), The Essential Toxin: Impact of Zinc on Human Health. *International Journal of Environmental Research and Public Health*, 7 (4), 1342-1365. Rostom, A., Murray, J.A. and Kagnoff, M.F. (2006), American Gastroenterological Association (AGA) Institute Technical Review on the Diagnosis and Management of Celiac Disease. *Gastroenterology*, 131 (6), 1981-2002. Balarajan, Y., Ramakrishnan, U., Ozaltin, E., Shankar, A.H. and Subramanian, S.V. (2011), Anaemia in low-income and middle-income countries. *Lancet*, 378 (9809), 2123-2135. Forhecz, Z., Gombos, T., Borgulya, G., Pozsonyi, Z., Prohaszka, Z. and Janoskuti, L. (2009), Red cell distribution width in heart failure: Prediction of clinical events and relationship with markers of ineffective erythropoiesis, inflammation, renal function, and nutritional state. *American Heart Journal*, 158 (4), 659-666. Prasad, A.S. (2008), Zinc in human health: Effect of zinc on immune cells. *Molecular Medicine*, 14 (5-6), 353-357. Gundersen, C. and Ziliak, J.P. (2015), Food Insecurity And Health Outcomes. *Health Affairs*, 34 (11), 1830-1839.



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

Atherton, J.C. and Blaser, M.J. (2009), Coadaptation of *Helicobacter pylori* and humans: ancient history, modern implications. *Journal of Clinical Investigation*, 119 (9), 2475-2487.

Abrahams, P.W. (2002), Soils: their implications to human health. *Science of the Total Environment*, 291 (1-3), 1-32. Pennazio, M., Spada, C., Eliakim, R., Keuchel, M., May, A.,

Mulder, C.J., Rondonotti, E., Adler, S.N., Albert, J., Baltes, P., Barbaro, F., Cellier, C., Charton, J.P., Delvaux, M., Despott, E.J., Domagk, D., Klein, A., McAlindon, M., Rosa, B.,

Rowse, G., Sanders, D.S., Saurin, J.C., Sidhu, R., Dumonceau, J.M., Hassan, C. and Gralnek, I.M. (2015), Small-bowel capsule endoscopy and device-assisted enteroscopy for diagnosis and treatment of small-bowel disorders: European Society of

Gastrointestinal Endoscopy (ESGE) Clinical Guideline. *Endoscopy*, 47 (4), 352-376.

Prasad, A.S., Bao, B., Beck, F.W.J., Kucuk, O. and Sarkar, F.H. (2004), Antioxidant effect of zinc in humans. *Free Radical Biology and Medicine*, 37 (8), 1182-1190. Goodnough,

L.T., Maniatis, A., Earnshaw, P., Benoni, G., Beris, P., Bisbe, E., Fergusson, D.A., Gombotz, H., Habler, O., Monk, T.G., Ozier, Y., Slappendel, R. and Szpalski, M. (2011),

Detection, evaluation, and management of preoperative anaemia in the elective orthopaedic surgical patient: NATA guidelines. *British Journal of Anaesthesia*, 106 (1),

13-22. Sebire, G., Tabarki, B., Saunders, D.E., Leroy, I., Liesner, R., Saint-Martin, C., Husson, B., Williams, A.N., Wade, A. and Kirkham, F.J. (2005), Cerebral venous sinus

thrombosis in children: risk factors, presentation, diagnosis and outcome. *Brain*, 128, 477-489. Prasad, A.S. (2009), Zinc: role in immunity, oxidative stress and chronic

inflammation. *Current Opinion in Clinical Nutrition and Metabolic Care*, 12 (6), 646-652.

Asaka, M., Kato, M., Takahashi, S., Fukuda, Y., Sugiyama, T., Ota, H., Uemura, N., Murakami, K., Satoh, K. and Sugano, K. (2010), Guidelines for the Management of

Helicobacter pylori Infection in Japan: 2009 Revised Edition. *Helicobacter*, 15 (1), 1-20.

Amieva, M. and Peek, R.M. (2016), Pathobiology of *Helicobacter pylori*-Induced Gastric Cancer. *Gastroenterology*, 150 (1), 64-78. Prasad, A.S., Beck, F.W.J., Bao, B., Fitzgerald,



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

J.T., Snell, D.C., Steinberg, J.D. and Cardozo, L.J. (2007), Zinc supplementation decreases incidence of infections in the elderly: effect of zinc on generation of cytokines and oxidative stress. *American Journal of Clinical Nutrition*, 85 (3), 837-844. Hutton, E.K. and Hassan, E.S. (2007), Late vs early clamping of the umbilical cord in full-term neonates - Systematic review and meta-analysis of controlled trials. *Jama-Journal of the American Medical Association*, 297 (11), 1241-1252. Hurrell, R.F. (2002), Fortification: Overcoming technical and practical barriers. *Journal of Nutrition*, 132 (4), 806S-812S. Sacks, D.B. (2011), A1C Versus Glucose Testing: A Comparison. *Diabetes Care*, 34 (2), 518-523. Klein, C.J. (2002), Nutrient requirements for preterm infant formulas. *Journal of Nutrition*, 132 (6), 1395S-1577S. Silvera, S.A.N. and Rohan, T.E. (2007), Trace elements and cancer risk: a review of the epidemiologic evidence. *Cancer Causes & Control*, 18 (1), 7-27. Kulnigg, S. and Gasche, C. (2006), Systematic review: managing anaemia in Crohn's disease. *Alimentary Pharmacology & Therapeutics*, 24 (11-12), 1507-1523. Cook, J.T. and Frank, D.A. (2008), Food security, poverty, and human development in the United States. *Reducing the Impact of Poverty on Health and Human Development: Scientific Approaches*, 1136, 193-209. Halfdanarson, T.R., Litzow, M.R. and Murray, J.A. (2007), Hematologic manifestations of celiac disease. *Blood*, 109 (2), 412-421. Centanni, M., Gargano, L., Canettieri, G., Viceconti, N., Franchi, A., le Fave, G. and Annibale, B. (2006), Thyroxine in goiter, *Helicobacter pylori* infection, and chronic gastritis. *New England Journal of Medicine*, 354 (17), 1787-1795. Tamura, T., Goldenberg, R.L., Hou, J.R., Johnston, K.E., Cliver, S.P., Ramey, S.L. and Nelson, K.G. (2002), Cord serum ferritin concentrations and mental and psychomotor development of children at five years of age. *Journal of Pediatrics*, 140 (2), 165-170. Gundersen, C., Kreider, B. and Pepper, J. (2011), The Economics of Food Insecurity in the United States. *Applied Economic Perspectives and Policy*, 33 (3), 281-303. Prasad, A.S. (2007), Zinc: Mechanisms of host defense. *Journal of Nutrition*, 137 (5), 1345-1349. Wilson, K.T. and Crabtree, J.E. (2007),



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

Immunology of *Helicobacter pylori*: Insights into the failure of the immune response and perspectives on vaccine studies. *Gastroenterology*, 133 (1), 288-308. Koletzko, S., Jones, N.L., Goodman, K.J., Gold, B., Rowland, M., Cadranel, S., Chong, S., Colletti, R.B., Casswall, T., Guarner, J., Kalach, N., Madrazo, A., Megraud, F. and Oderda, G. (2011), Evidence-based Guidelines From ESPGHAN and NASPGHAN for *Helicobacter pylori* Infection in Children. *Journal of Pediatric Gastroenterology and Nutrition*, 53 (2), 230-243. Bryan, J., Osendarp, S., Hughes, D., Calvaresi, E., Baghurst, K. and van Klinken, J.W. (2004), Nutrients for cognitive development in school-aged children. *Nutrition Reviews*, 62 (8), 295-306. Stewart, R.C. (2007), Maternal depression and infant growth - a review of recent evidence. *Maternal and Child Nutrition*, 3 (2), 94-107. Patel, K.V. (2008), Epidemiology of anemia in older adults. *Seminars in Hematology*, 45 (4), 210-217. Hamilton, W., Round, A., Sharp, D. and Peters, T.J. (2005), Clinical features of colorectal cancer before diagnosis: a population-based case-control study. *British Journal of Cancer*, 93 (4), 399-405. Caulfield, L.E., Richard, S.A. and Black, R.E. (2004), Undernutrition as an underlying cause of malaria morbidity and mortality in children less than five years old. *American Journal of Tropical Medicine and Hygiene*, 71 (2), 55-63. Fisher, L., Krinsky, M.L., Anderson, M.A., Appalaneni, V., Banerjee, S., Ben-Menachem, T., Cash, B.D., Decker, G.A., Fanelli, R.D., Friis, C., Fukami, N., Harrison, M.E., Ikenberry, S.O., Jain, R., Jue, T., Khan, K., Maple, J.T., Strohmeyer, L., Sharaf, R. and Dominitz, J.A. (2010), The role of endoscopy in the management of obscure GI bleeding. *Gastrointestinal Endoscopy*, 72 (3), 471-479. Peacock, A.F.A., Melchart, M., Deeth, R.J., Habtemariam, A., Parsons, S. and Sadler, P.J. (2007), Osmium(II) and ruthenium(II) arene maltolato complexes: Rapid hydrolysis and nucleobase binding. *Chemistry-A European Journal*, 13 (9), 2601-2613. Corwin, E.J., Murray-Kolb, L.E. and Beard, J.L. (2003), Low hemoglobin level is a risk factor for postpartum depression. *Journal of Nutrition*, 133 (12), 4139-4142. Carpenter, B.M., Whitmire, J.M. and Merrell, D.S. (2009), This Is Not



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

Your Mother's Repressor: the Complex Role of Fur in Pathogenesis. *Infection and Immunity*, 77 (7), 2590-2601. Eisenstaedt, R., Pennix, B.W.J.H. and Woodman, R.C. (2006), Anemia in the elderly: Current understanding and emerging concepts. *Blood Reviews*, 20 (4), 213-226. Spahn, D.R. and Goodnough, L.T. (2013), Alternatives to blood transfusion. *Lancet*, 381 (9880), 1855-1865. Xie, J.H., Jin, M.L., Morris, G.A., Zha, X.Q., Chen, H.Q., Yi, Y., Li, J.E., Wang, Z.J., Gao, J., Nie, S.P., Shang, P. and Xie, M.Y. (2016), Advances on Bioactive Polysaccharides from Medicinal Plants. *Critical Reviews in Food Science and Nutrition*, 56), S60-S84. Mergener, K., Ponchon, T., Gralnek, I., Pennazio, M., Gay, G., Selby, W., Seidman, E.G., Cellier, C., Murray, J., de Franchis, R., Rosch, T. and Lewis, B.S. (2007), Literature review and recommendations for clinical application of small-bowel capsule endoscopy, based on a panel discussion by international experts - Consensus statements for small-bowel capsule endoscopy, 2006/2007. *Endoscopy*, 39 (10), 895-909. Trenkwalder, C., Allen, R., Hogl, B., Paulus, W. and Winkelmann, J. (2016), Restless legs syndrome associated with major diseases A systematic review and new concept. *Neurology*, 86 (14), 1336-1343. Theurl, I., Schroll, A., Sonnweber, T., Nairz, M., Theurl, M., Willenbacher, W., Eller, K., Wolf, D., Seifert, M., Sun, C.C., Babitt, J.L., Hong, C.C., Menhall, T., Gearing, P., Lin, H.Y. and Weiss, G. (2011), Pharmacologic inhibition of hepcidin expression reverses anemia of chronic inflammation in rats. *Blood*, 118 (18), 4977-4984. Babitt, J.L. and Lin, H.Y. (2010), Molecular Mechanisms of Hepcidin Regulation: Implications for the Anemia of CKD. *American Journal of Kidney Diseases*, 55 (4), 726-741. Saleem, M. and Lee, K.H. (2015), Optical sensor: a promising strategy for environmental and biomedical monitoring of ionic species. *Rsc Advances*, 5 (88), 72150-72287. Suzuki, H., Hibi, T. and Marshall, B.J. (2007), *Helicobacter pylori*: present status and future prospects in Japan. *Journal of Gastroenterology*, 42 (1), 1-15. Cutts, D.B., Meyers, A.F., Black, M.M., Casey, P.H., Chilton, M., Cook, J.T., Geppert, J., de Cuba, S.E., Heeren, T., Coleman, S., Rose-Jacobs, R. and Frank, D.A. (2011), US Housing



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

Insecurity and the Health of Very Young Children. *American Journal of Public Health*, 101 (8), 1508-1514. Weiss, G., Ganz, T. and Goodnough, L.T. (2019), Anemia of inflammation. *Blood*, 133 (1), 40-50. Testerman, T.L. and Morris, J. (2014), Beyond the stomach: An updated view of *Helicobacter pylori* pathogenesis, diagnosis, and treatment. *World Journal of Gastroenterology*, 20 (36), 12781-12808. Sun, C.C., Vaja, V., Babitt, J.L. and Lin, H.Y. (2012), Targeting the hepcidin-ferroportin axis to develop new treatment strategies for anemia of chronic disease and anemia of inflammation. *American Journal of Hematology*, 87 (4), 392-400. Wapler, U., Crubezy, E. and Schultz, M. (2004), Is Cribra orbitalia synonymous with anemia? Analysis and interpretation of cranial pathology in Sudan. *American Journal of Physical Anthropology*, 123 (4), 333-339. Bradley, R.H. and Corwyn, R.F. (2005), Caring for children around the world: A view from HOME. *International Journal of Behavioral Development*, 29 (6), 468-478. Stein, J., Stier, C., Raab, H. and Weiner, R. (2014), Review article: the nutritional and pharmacological consequences of obesity surgery. *Alimentary Pharmacology & Therapeutics*, 40 (6), 582-609. D'Alessio, F., Hentze, M.W. and Muckenthaler, M.U. (2012), The hemochromatosis proteins HFE, TfR2, and HJV form a membrane-associated protein complex for hepcidin regulation. *Journal of Hepatology*, 57 (5), 1052-1060. Ferrucci, L., Semba, R.D., Guralnik, J.M., Ershler, W.B., Bandinelli, S., Patel, K.V., Sun, K., Woodman, R.C., Andrews, N.C., Cotter, R.J., Ganz, T., Nemeth, E. and Longo, D.L. (2010), Proinflammatory state, hepcidin, and anemia in older persons. *Blood*, 115 (18), 3810-3816. Benyamin, B., Mcrae, A.E., Zhu, G., Gordon, S., Henders, A.K., Palotie, A., Peltonen, L., Martin, N.G., Montgomery, G.W., Whitfield, J.B. and Visscher, P.M. (2009), Variants in TF and HFE Explain similar to 40% of Genetic Variation in Serum-Transferrin Levels. *American Journal of Human Genetics*, 84 (1), 60-65. Goodnough, L.T. and Schrier, S.L. (2014), Evaluation and management of anemia in the elderly. *American Journal of Hematology*, 89 (1), 88-96. Harper, J.W., Holleran, S.F., Ramakrishnan, R., Bhagat, G.



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

and Green, P.H.R. (2007), Anemia in celiac disease is multifactorial in etiology. *American Journal of Hematology*, 82 (11), 996-1000. Dror, D.K. and Allen, L.H. (2011), The importance of milk and other animal-source foods for children in low-income countries. *Food and Nutrition Bulletin*, 32 (3), 227-243. Milman, N. (2008), Prepartum anaemia: prevention and treatment. *Annals of Hematology*, 87 (12), 949-959. Todorich, B., Zhang, X.S., Slagle-Webb, B., Seaman, W.E. and Connor, J.R. (2008), Tim-2 is the receptor for H-ferritin on oligodendrocytes. *Journal of Neurochemistry*, 107 (6), 1495-1505. Hanson, M.A., Bardsley, A., De-Regil, L.M., Moore, S.E., Oken, E., Poston, L., Ma, R.C., McAuliffe, F.M., Maleta, K., Purandare, C.N., Yajnik, C.S., Rushwan, H. and Morris, J.L. (2015), The International Federation of Gynecology and Obstetrics (FIGO) recommendations on adolescent, preconception, and maternal nutrition: "Think Nutrition First". *International Journal of Gynecology & Obstetrics*, 131, S213-S253. Raiten, D.J., Ashour, F.A.S., Ross, A.C., Meydani, S.N., Dawson, H.D., Stephensen, C.B., Brabin, B.J., Suchdev, P.S. and van Ommen, B. (2015), Inflammation and Nutritional Science for Programs/Policies and Interpretation of Research Evidence (INSPIRE). *Journal of Nutrition*, 145 (5), 1039S-1108S. Best, C., Neufingerl, N., van Geel, L., van den Briel, T. and Osendarp, S. (2010), The nutritional status of school-aged children: Why should we care? *Food and Nutrition Bulletin*, 31 (3), 400-417. Prasad, A.S. (2014), Zinc: An antioxidant and anti-inflammatory agent: Role of zinc in degenerative disorders of aging. *Journal of Trace Elements in Medicine and Biology*, 28 (4), 364-371. Tolentino, K. and Friedman, J.F. (2007), An update on anemia in less developed countries. *American Journal of Tropical Medicine and Hygiene*, 77 (1), 44-51. Fessler, D.M.T. (2002), Reproductive immunosuppression and diet - An evolutionary perspective on pregnancy sickness and meat consumption. *Current Anthropology*, 43 (1), 19-61. Vasanawala, S.S., Nguyen, K.L., Hope, M.D., Bridges, M.D., Hope, T.A., Reeder, S.B. and Bashir, M.R. (2016), Safety and technique of ferumoxytol administration for MRI. *Magnetic Resonance in Medicine*, 75 (5), 2107-2111.



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

Gomollon, F. and Gisbert, J.P. (2009), Anemia and inflammatory bowel diseases. *World Journal of Gastroenterology*, 15 (37), 4659-4665. Thompson, K.H., Barta, C.A. and Orvig, C. (2006), Metal complexes of maltol and close analogues in medicinal inorganic chemistry. *Chemical Society Reviews*, 35 (6), 545-556. Toteja, G.S., Singh, P., Dhillon, B.S., Saxena, B.N., Ahmed, F.U., Singh, L.R.P., Prakash, B., Vijayaraghavan, K., Singh, Y., Rauf, A., Sarma, U.C., Gandhi, S., Behl, L., Mukherjee, K., Swami, S.S., Meru, V., Chandra, P., Chandrawati and Mohan, U. (2006), Prevalence of anemia among pregnant women and adolescent girls in 16 districts of India. *Food and Nutrition Bulletin*, 27 (4), 311-315. Antalis, T.M., Buzza, M.S., Hodge, K.M., Hooper, J.D. and Netzel-Arnett, S. (2010), The cutting edge: membrane-anchored serine protease activities in the pericellular microenvironment. *Biochemical Journal*, 428, 325-346. English, E., Idris, I., Smith, G., Dhatariya, K., Kilpatrick, E.S. and John, W.G. (2015), The effect of anaemia and abnormalities of erythrocyte indices on HbA(1c) analysis: a systematic review. *Diabetologia*, 58 (7), 1409-1421. Balducci, L. (2003), Epidemiology of anemia in the elderly: Information on diagnostic evaluation. *Journal of the American Geriatrics Society*, 51 (3), S2-S9. Gaddy, J.A., Radin, J.N., Loh, J.T., Zhang, F., Washington, M.K., Peek, R.M., Algood, H.M.S. and Cover, T.L. (2013), High Dietary Salt Intake Exacerbates *Helicobacter pylori*-Induced Gastric Carcinogenesis. *Infection and Immunity*, 81 (6), 2258-2267. Paterson, W.G., Depew, T., Pare, P., Petrunia, D., Switzer, C., van Zanten, S.J.V. and Daniels, S. (2006), Canadian consensus on medically acceptable wait times for digestive health care. *Canadian Journal of Gastroenterology and Hepatology*, 20 (6), 411-423. Ezeamama, A.E., Friedman, J.F., Olveda, R.M., Acosta, L.P., Kurtis, J.D., Mor, V. and McGarvey, S.T. (2005), Functional significance of low-intensity polyparasite helminth infections in anemia. *Journal of Infectious Diseases*, 192 (12), 2160-2170. Woodman, R., Ferrucci, L. and Guralnik, J. (2005), Anemia in older adults. *Current Opinion in Hematology*, 12 (2), 123-128. Mercer, J.S. (2001), Current best evidence: A



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

review of the literature on umbilical cord clamping. *Journal of Midwifery & Womens Health*, 46 (6), 402-414. Franceschi, F., Gasbarrini, A., Polyzos, S.A. and Kountouras, J. (2015), Extragastric Diseases and Helicobacter pylori. *Helicobacter*, 20, 40-46. Martinez-Finley, E.J., Chakraborty, S., Fretham, S.J.B. and Aschner, M. (2012), Cellular transport and homeostasis of essential and nonessential metals. *Metallomics*, 4 (7), 593-605. Kikuchi, M., Inagaki, T. and Shinagawa, N. (2001), Five-year survival of older people with anemia: Variation with hemoglobin concentration. *Journal of the American Geriatrics Society*, 49 (9), 1226-1228. Prasad, A.S., Beck, F.W.J., Snell, D.C. and Kucuk, O. (2009), Zinc in Cancer Prevention. *Nutrition and Cancer-An International Journal*, 61 (6), 879-887. Allen, R.P., Adler, C.H., Du, W., Butcher, A., Bregman, D.B. and Earley, C.J. (2011), Clinical efficacy and safety of IV ferric carboxymaltose (FCM) treatment of RLS: A multi-centred, placebo-controlled preliminary clinical trial. *Sleep Medicine*, 12 (9), 906-913. Fisher, J., Thach, T., Buoi, T.L., Kriitmaa, K., Rosenthal, D. and Tuan, T. (2010), Common perinatal mental disorders in northern Viet Nam: community prevalence and health care use. *Bulletin of the World Health Organization*, 88 (10), 737-745. Leighton, J.A., Goldstein, J., Hirota, W., Jacobson, B.C., Johanson, J.F., Mallery, J.S., Peterson, K., Waring, J.P., Fanelli, R.D., Wheeler-Harbaugh, J., Baron, T.H. and Faigel, D.O. (2003), Obscure gastrointestinal bleeding. *Gastrointestinal Endoscopy*, 58 (5), 650-655. Goldstein, N.S. and Underhill, J. (2001), Morphologic features suggestive of gluten sensitivity in architecturally normal duodenal biopsy specimens. *American Journal of Clinical Pathology*, 116 (1), 63-71. Lasocki, S., Krauspe, R., von Heymann, C., Mezzacasa, A., Chainey, S. and Spahn, D.R. (2015), PREPARE: the prevalence of perioperative anaemia and need for patient blood management in elective orthopaedic surgery A multicentre, observational study. *European Journal of Anaesthesiology*, 32 (3), 160-167. Stauder, R., Valent, P. and Theurl, I. (2018), Anemia at older age: etiologies, clinical implications, and management. *Blood*, 131 (5), 505-514. Shankar, P., Chung, R. and



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

Frank, D.A. (2017), Association of Food Insecurity with Children's Behavioral, Emotional, and Academic Outcomes: A Systematic Review. *Journal of Developmental and Behavioral Pediatrics*, 38 (2), 135-150. Dlamini, N., Billingham, L. and Kirkham, F.J. (2010), Cerebral Venous Sinus (Sinovenous) Thrombosis in Children. *Neurosurgery Clinics of North America*, 21 (3), 511-+. Hamilton, W., Lancashire, R., Sharp, D., Peters, T.J., Cheng, K.K. and Marshall, T. (2008), The importance of anaemia in diagnosing colorectal cancer: a case-control study using electronic primary care records. *British Journal of Cancer*, 98 (2), 323-327. Farjadian, F., Ghasemi, A., Gohari, O., Roointan, A., Karimi, M. and Hamblin, M.R. (2019), Nanopharmaceuticals and nanomedicines currently on the market: challenges and opportunities. *Nanomedicine*, 14 (1), 93-126. Thomas, D. and Frankenberg, E. (2002), Health, nutrition and prosperity: a microeconomic perspective. *Bulletin of the World Health Organization*, 80 (2), 106-113. Young, S.L. (2010), Pica in Pregnancy: New Ideas About an Old Condition. *Annual Review of Nutrition*, 30), 403-422. Mittrache, C., Passweg, J.R., Libura, J., Petrikkos, L., Seiler, W.O., Gratwohl, A., Stahelin, H.B. and Tichelli, A. (2001), Anemia: an indicator for malnutrition in the elderly. *Annals of Hematology*, 80 (5), 295-298. Weinstock, L.B., Walters, A.S. and Paueksakon, P. (2012), Restless legs syndrome - Theoretical roles of inflammatory and immune mechanisms. *Sleep Medicine Reviews*, 16 (4), 341-354. Seo, J.K., Ko, J.S. and Choi, K.D. (2002), Serum ferritin and Helicobacter pylori infection in children: A sero-epidemiologic study in Korea. *Journal of Gastroenterology and Hepatology*, 17 (7), 754-757. Benton, D. (2001), Micro-nutrient supplementation and the intelligence of children. *Neuroscience and Biobehavioral Reviews*, 25 (4), 297-309. Zagari, R.M., Romano, M., Ojetti, V., Stockbrugger, R., Gullini, S., Annibale, B., Farinati, F., Lerardi, E., Maconi, G., Rugge, M., Calabrese, C., Di Mario, F., Lizza, F., Pretolani, S., Savio, A., Gasbarrini, G. and Caselli, M. (2015), Guidelines for the management of Helicobacter pylori infection in Italy: The III Working Group Consensus Report 2015.



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

Digestive and Liver Disease, 47 (11), 903-912. Wachs, T.D., Georgieff, M., Cusick, S. and Mcewen, B.S. (2014), Issues in the timing of integrated early interventions: contributions from nutrition, neuroscience, and psychological research. *Every Child's Potential: Integrating Nutrition and Early Childhood Development Interventions*, 1308, 89-106. Fung, E. and Nemeth, E. (2013), Manipulation of the hepcidin pathway for therapeutic purposes. *Haematologica*, 98 (11), 1667-1676. Meizen-Derr, J.K., Guerrero, M.L., Altaye, M., Otega-Gallegos, H., Ruiz-Palacios, G.M. and Morrow, A.L. (2006), Risk of infant anemia is associated with exclusive breast-feeding and maternal anemia in a Mexican cohort. *Journal of Nutrition*, 136 (2), 452-458. Byrnes, J.R. and Wolberg, A.S. (2017), Red blood cells in thrombosis. *Blood*, 130 (16), 1795-1799. Munoz, M., Gomez-Ramirez, S., Campos, A., Ruiz, J. and Liumbruno, G.M. (2015), Pre-operative anaemia: prevalence, consequences and approaches to management. *Blood Transfusion*, 13 (3), 370-379. Szabo, R. and Bugge, T.H. (2011), Membrane-Anchored Serine Proteases in Vertebrate Cell and Developmental Biology. *Annual Review of Cell and Developmental Biology*, 27, 213-235. Raiten, D.J., Raghavan, R., Porter, A., Obbagy, J.E. and Spahn, J.M. (2014), Executive summary: evaluating the evidence base to support the inclusion of infants and children from birth to 24 mo of age in the Dietary Guidelines for Americans - "the B-24 Project". *American Journal of Clinical Nutrition*, 99 (3), 663S-691S. Stafford, S.L., Bokil, N.J., Achard, M.E.S., Kapetanovic, R., Schembri, M.A., Mcewan, A.G. and Sweet, M.J. (2013), Metal ions in macrophage antimicrobial pathways: emerging roles for zinc and copper. *Bioscience Reports*, 33, 541-554. Little, R.R. and Sacks, D.B. (2009), HbA(1c): how do we measure it and what does it mean? *Current Opinion in Endocrinology Diabetes and Obesity*, 16 (2), 113-118. Rondonotti, E., Villa, F., Mulder, C.J., Jacobs, M.A. and de Franchis, R. (2007), Small bowel capsule endoscopy in 2007: Indications, risks and limitations. *World Journal of Gastroenterology*, 13 (46), 6140-6149. Gundersen, C. (2013), Food Insecurity Is an Ongoing National Concern. *Advances in Nutrition*, 4 (1), 36-41.



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

Tran, T.T., Chohanadisai, W., Crinella, F.M., Chicz-DeMet, A. and Lonnerdal, B. (2002), Effect of high dietary manganese intake of neonatal rats on tissue mineral accumulation, striatal dopamine levels, and neurodevelopmental status. *Neurotoxicology*, 23 (4-5), 635-643. Walker, M.M. and Murray, J.A. (2011), An update in the diagnosis of coeliac disease. *Histopathology*, 59 (2), 166-179. Li, Z.B., Dong, T.F., Proschel, C. and Noble, M. (2007), Chemically diverse toxicants converge on Fyn and c-Cbl to disrupt precursor cell function. *Plos Biology*, 5 (2), 212-231. Carmel, R. (2001), Anemia and aging: an overview of clinical, diagnostic and biological issues. *Blood Reviews*, 15 (1), 9-18. Franceschi, F., Zuccala, G., Roccarina, D. and Gasbarrini, A. (2014), Clinical effects of *Helicobacter pylori* outside the stomach. *Nature Reviews Gastroenterology & Hepatology*, 11 (4), 234-242. Goonewardene, M., Shehata, M. and Hamad, A. (2012), Anaemia in pregnancy. *Best Practice & Research Clinical Obstetrics & Gynaecology*, 26 (1), 3-24. Weiss, G. and Schett, G. (2013), Anaemia in inflammatory rheumatic diseases. *Nature Reviews Rheumatology*, 9 (4), 205-215. Villalpando, S., Shamah, T., Rivera, J.A., Laria, Y. and Monterrubio, E. (2006), Fortifying milk with ferrous gluconate and zinc oxide in a public nutrition program reduced the prevalence of anemia in toddlers. *Journal of Nutrition*, 136 (10), 2633-2637. Barnes, C. and deVeber, G. (2006), Prothrombotic abnormalities in childhood ischaemic stroke. *Thrombosis Research*, 118 (1), 67-74. Czinn, S.J. (2005), *Helicobacter pylori* infection: Detection, investigation, and management. *Journal of Pediatrics*, 146 (3), S21-S26. Bondevik, G.T., Lie, R.T., Ulstein, M. and Kvale, G. (2001), Maternal hematological status and risk of low birth weight and preterm delivery in Nepal. *Acta Obstetrica et Gynecologica Scandinavica*, 80 (5), 402-408. Khalafallah, A.A., Yan, C., Al-Badri, R., Robinson, E., Kirkby, B.E., Ingram, E., Gray, Z., Khelgi, V., Robertson, I.K. and Kirkby, B.P. (2016), Intravenous ferric carboxymaltose versus standard care in the management of postoperative anaemia: a prospective, open-label, randomised controlled trial. *Lancet Haematology*, 3 (9), E415-E425. Long, L.L., Zhou,



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

L.P., Wang, L., Meng, S.C., Gong, A.H. and Zhang, C. (2014), A ratiometric fluorescent probe for iron(III) and its application for detection of iron(III) in human blood serum. *Analytica Chimica Acta*, 812), 145-151. Cullis, J.O. (2011), Diagnosis and management of anaemia of chronic disease: current status. *British Journal of Haematology*, 154 (3), 289-300. Henderson, H.A. and Wachs, T.D. (2007), Temperament theory and the study of cognition-emotion interactions across development. *Developmental Review*, 27 (3), 396-427. Steckel, R.H., Rose, J.C., Larsen, C.S. and Walker, P.L. (2002), Skeletal health in the Western Hemisphere from 4000 BC to the present. *Evolutionary Anthropology*, 11 (4), 142-155. Crowe, S.E. (2019), *Helicobacter pylori* Infection. *New England Journal of Medicine*, 380 (12), 1158-1165. Drake, L.J. and Bundy, D.A.P. (2001), Multiple helminth infections in children: impact and control. *Parasitology*, 122), S73-S81. Darshan, D. and Anderson, G. (2009), Interacting signals in the control of hepcidin expression. *Biometals*, 22 (1), 77-87. “The following data were extracted from these articles: year of publication, journal, study design, country of first author, and number of citations.” The authors noticed that “The study used publicly available data, and thus ethical approval was not required. The search criteria were topic (“iron deficiency anemia”), limited to document type (article OR review), language (English), and time span (2001-2020).” Why is “from these articles”? “The entire list of retrieved articles was analyzed, and an additional subset analysis of the articles grouped by publication in 5-year increments (2001-2005; 2006-2010; 2011-2015; 2016-2020) was performed. The top 25 keywords identified in the title and abstract of each publication in each time interval was compiled.” Reference is needed. The original paper is recommended for more details. Zhang, G.F., Xie, S.D. and Ho, Y.S. (2010), A bibliometric analysis of world volatile organic compounds research trends. *Scientometrics*, 83 (2), 477-492. “The search returned 4828 references. Review of the titles, abstracts, and full texts of the top 200 cited papers in this group was performed to assess the quality of the search, and all papers in this group were appropriate to the



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

topic of iron deficiency anemia.” The results cannot be repeated that is a basis of scientific research. A total of 5,561 English documents including 4,782 English articles and 779 English reviews were search out from Web of Science Core Collection from 2002 to 2020. (Data last updated: 31 March 2021) It should be noticed that is impossible to know the number of publications in 2020 on 31 March 2021. “These publications had an h-index of 137 with an average of 25.42 citations per item. The number of papers published per year in this study has varied from 124 to 402.” The results cannot be repeated that is a basis of scientific research. “The year with the largest number of papers published in this study was 2019.” This is not correct. The method is not accepted in this study. “The rate of publication of papers in this study has varied from 2.568% to 8.326% (Figure 1).” The study design is not accepted. Results in Fig. 1 is not correct. “Based on WOSCC metadata, the papers were published in 97 different research areas, of which the most common were nutrition and dietetics (n=672, 13.919% of total), gastroenterology (n=610, 12.635%), hematology (n=570, 11.806%), pediatrics (n=566, 11.723%), and general internal medicine (n=522, 10.812%).” The study design and method are not accepted. Thus, all related results are not appropriate. “In total, publications were contributed by 157 countries, with the top ten publishing countries listed in Figure 2.” England is not a country. The study design and method are not accepted. Thus, all related results are not appropriate. “The United States has contributed the largest number of the papers. Other nations in the top 5 countries of publication were Turkey, China, Italy, and England.” England is not a country. The study design and method are not accepted. Thus, all related results are not appropriate.

“The authors in this study represented 4,840 institutions. The institutions contributing the most papers to this study were the University of California system (n=179 records) and Harvard University (n=126 records). 2,411 funding agencies were listed in these publications, of which the largest number of studies were funded by the United States



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

Department of Health and Human Services (n=448), the National Institutes of Health (United States, n=431), and the National Natural Science Foundation of China (n=119)."

The study design and method are not accepted. Thus, all related results are not appropriate. "The collaboration network analysis is illustrated in Figure 3 and includes countries contributing at least 10 papers. Using this criterion, 64 countries are included in the analysis. There are 3 nodes identified using international collaboration data. The largest, illustrated in red, includes the United States, Canada, and India as the largest contributors. The second, illustrated in blue, includes Turkey, China, and Japan as the most prominent contributing members. The third, illustrated in green, includes England and many European countries." England and Scotland are not countries. The study design and method are not accepted. Thus, all related results are not appropriate. "The papers in this study were published by 1,365 journals. 659 journals published ≥ 1 paper."

The authors noticed that "The papers in this study were published by 1,365 journals". How do the authors have "659 journals published ≥ 1 paper"? Do the authors mean 697 journal published < 1 paper? How do the journals published < 1 paper? What does " < 1 paper" mean? "The top 15 journals, with the number of articles published and the journal's impact factor (IF), drawn from the 2017 Journal Citation Reports of Clarivate Analytics) are shown in Table 1." It is 2021 now. Why do the authors used the journal's impact factor (IF), drawn from the 2017 Journal Citation Reports of Clarivate Analytics?

"The IF for the journals in this group ranged from 16.601 (Blood) to 1.076 (Journal of Pediatric Hematology Oncology and Pediatric Hematology and Oncology). The largest number of papers were published by Journal of Nutrition (n=107), PLOS One (n=81), and World Journal of Gastroenterology (n=76)." The study design and method are not accepted. Thus, all related results are not appropriate. "Overall, 123 terms appeared 50 times or more in the titles or abstracts of the papers in this study (Figure 4). For example, "iron deficiency anemia" appeared 1533 times, "anemia" appeared 1252 times, "children"



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

appeared 726 times, “iron deficiency” appeared 627 times, and “prevalence” appeared 608 times.” The authors noticed that “The search returned 4828 references.” and “iron deficiency anemia” appeared 1533 times”. Lots papers are not related to “iron deficiency anemia”. “Based on the VOSviewer keyword mapping, the terms or phrases associated with iron deficiency anemia were divided into 5 clusters, represented by 5 colors (red, green, blue, yellow, and purple).” What kinds of keywords do the authors discuss? “From the results of co-occurrences, current iron deficiency anemia research was shown to be mainly focused on 5 major areas. These are 1) epidemiologic aspects of iron deficiency anemia (red) 2) biochemical aspects of iron deficiency anemia (green), 3) clinical evaluation of causes of iron deficiency anemia (blue), 4) causes of iron deficiency anemia (yellow), and 5) bioavailability of dietary iron (purple). These 5 topics may thus be regarded as the current research hotspots in the field of iron deficiency anemia.” What are their development trends? It should be in “Trends in iron deficiency anemia research 2001-2020: a bibliometric analysis” “A subset analysis of the top 25 keywords of each 5-year interval between 2001-2020 and coded to the 5 areas presented in Figure 4 is presented in Table 2.” This idea has been proposed. Reference is needed. The original paper is recommended for more details. Zhang, G.F., Xie, S.D. and Ho, Y.S. (2010), A bibliometric analysis of world volatile organic compounds research trends. *Scientometrics*, 83 (2), 477-492. “The top 10 cited papers published for the entire period 2001-2020, and the top 10 cited papers published in each 5-year interval are listed in Table 3.” Many the top 10 cited papers published for the entire period 2001-2020, and the top 10 cited papers published in each 5-year interval in Table 3 are not related to “Trends in iron deficiency anemia research 2001-2020: a bibliometric analysis”. They do not contain search keywords “iron deficiency anemia” in their title, abstract, and author keywords, for example Years lived with disability (YLDs) for 1160 sequelae of 289 diseases and injuries 1990-2010: a systematic analysis for the Global Burden of Disease



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

Study 2010 Current concepts in the management of Helicobacter pylori infection: the maastricht III consensus report Maternal and Child Undernutrition 3 - What works? Interventions for maternal and child undernutrition and survival Does social class predict diet quality? Child development in developing countries 2 - Child development: risk factors for adverse outcomes in developing countries Prevalence of anemia in persons 65 years and older in the United States: evidence for a high rate of unexplained anemia The Oslo definitions for coeliac disease and related terms Prevalence of anemia in persons 65 years and older in the United States: evidence for a high rate of unexplained anemia Current concepts in the management of Helicobacter pylori infection: the maastricht III consensus report Maternal and Child Undernutrition 3 - What works? Interventions for maternal and child undernutrition and survival Does social class predict diet quality? Child development in developing countries 2 - Child development: risk factors for adverse outcomes in developing countries KDOQI clinical practice guidelines and clinical practice recommendations for anemia in chronic kidney disease - Foreword American Gastroenterological Association (AGA) Institute Technical Review on the Diagnosis and Management of Celiac Disease The Essential Toxin: Impact of Zinc on Human Health Years lived with disability (YLDs) for 1160 sequelae of 289 diseases and injuries 1990-2010: a systematic analysis for the Global Burden of Disease Study 2010 The Oslo definitions for coeliac disease and related terms Child Development 1 Inequality in early childhood: risk and protective factors for early child development Anaemia in low-income and middle-income countries Small-bowel capsule endoscopy and device-assisted enteroscopy for diagnosis and treatment of small-bowel disorders: European Society of Gastrointestinal Endoscopy (ESGE) Clinical Guideline Detection, evaluation, and management of preoperative anaemia in the elective orthopaedic surgical patient: NATA guidelines Pathobiology of Helicobacter pylori-Induced Gastric Cancer Restless legs syndrome associated with major diseases A



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

systematic review and new concept Advances on Bioactive Polysaccharides from Medicinal Plants Safety and technique of ferumoxytol administration for MRI Furthermore, some of them do not contain the search keywords in their text, for example “Does social class predict diet quality?”. In addition, there are two “Prevalence of anemia in persons 65 years and older in the United States: evidence for a high rate of unexplained anemia” in Table 3. They have different reference numbers 18 and 20. However, the number of 20 reference in the reference section is not the one in Table 3.

“The total number of citations per paper for the top 10 cited papers published from 2001-2020 ranged from 752 to 4084.” The results cannot be repeated that is a basis of scientific research. Thus, all related results are not accepted. “Discussion” The study design, search keywords, and methods are not accepted. Thus, all discussions are not appropriate. “This bibliometric analysis was performed to evaluate the research trends in the field of iron deficiency anemia between 2001-2020.” Study design is not accepted.

“The purpose of this study was 1) to identify and analyze scientific publications in this field” The study design, search keywords, and methods are not accepted. Thus, the authors missed miss some of related papers. Also, included lots of papers that do not contain search keywords in their title, abstract, and author keywords. In addition, the results cannot be repeated that is a basis of scientific research. “2) to compare the contribution of this research in different countries and institutions.” The study design, search keywords, and methods are not accepted. Thus, related discussions are not appropriate. “The main findings were 1) that the most common topic areas were nutrition and dietetics, gastroenterology, hematology, pediatrics, and general internal medicine” The study design, search keywords, and methods are not accepted. Thus, related discussions are not appropriate. “2) United States-based researchers contributed to the vast majority of papers, although researchers from Turkey, China, Italy, and England also made significant contributions to the literature” The study



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

design, search keywords, and methods are not accepted. Thus, related discussions are not appropriate. England is not a country. “3) keyword analysis revealed that 5 research areas have developed as current hotspots: epidemiologic aspects of iron deficiency anemia, biochemical aspects of iron deficiency anemia, clinical evaluation of causes of iron deficiency anemia, causes of iron deficiency anemia, and bioavailability of dietary iron” The study design, search keywords, and methods are not accepted. Thus, related discussions are not appropriate. What are their development trends? It should be in “Trends in iron deficiency anemia research 2001-2020: a bibliometric analysis” “4) evaluation of the top keywords in 5 year intervals showed that the relative contributions of each research area to the total number of papers has remained static, with the largest contribution to the area of epidemiologic aspects of iron deficiency anemia. The citation rate of the top cited papers in this study is high compared to studies on other research areas using similar methodology [11].” The study design, search keywords, and methods are not accepted. Thus, related discussions are not appropriate. “This study was a bibliometric analysis of the medical literature on iron deficiency anemia published over the last 20 years.” The study design, search keywords, and methods are not accepted. Thus, related conclusions are not appropriate. “Five research hotspots were identified” What are their development trends? It should be in “Trends in iron deficiency anemia research 2001-2020: a bibliometric analysis” There is no conclusion about “Trends in iron deficiency anemia research 2001-2020: a bibliometric analysis”



PEER-REVIEW REPORT

Name of journal: World Journal of Meta-Analysis

Manuscript NO: 63686

Title: Trends in iron deficiency anemia research 2001-2020: a bibliometric analysis

Reviewer's code: 00504545

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Emeritus Professor

Reviewer's Country/Territory: Spain

Author's Country/Territory: United States

Manuscript submission date: 2021-01-31

Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2021-03-31 07:33

Reviewer performed review: 2021-04-01 11:23

Review time: 1 Day and 3 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

SPECIFIC COMMENTS TO AUTHORS

This type of bibliometric studies about important topics are very welcomed, because describe very clearly the interest of the research about different areas of the world, together with the type of interest, the number of studies performed in every country and the citation times and impact of different Journals used. Taken all together we obtain a clear message and the importance of the different aspects of an important diseases around the world. In the present manuscript the authors gives a clear overview of the iron deficiency anemia and their bibliographic trends over the past 20 years