

# CURRICULUM VITAE (Jerome Nriagu)

## PERSONAL DATA

Name: Jerome Okon Nriagu  
Place of birth: Ora-eri Town, Anambra State, Nigeria  
Citizenship: United States & Nigeria  
Affiliation: School of Public Health, University of Michigan, Ann Arbor, MI 48109, USA  
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## EDUCATION

D.Sc. (by academic research or “higher doctorate”), University of Ibadan, 1987  
Ph.D., University of Toronto, 1970  
M.S., University of Wisconsin (Madison), 1967  
B.Sc. (Honors), University of Ibadan, 1965

## PROFESSIONAL/ACADEMIC APPOINTMENTS

Professor Emeritus, School of Public Health, University of Michigan, 20013 – present  
Research Professor Emeritus, Center for Human Growth & Development, University of Michigan, 2013 - present  
Director, Environmental Quality & Health Program, Department of Environmental Health Sciences, School of Public Health, University of Michigan; 2010 - 2013  
Visiting Professor, Hung Kuang University, Taiwan, 2010  
Director, Environmental Health Sciences Program, Department of Environmental and Industrial Health, School of Public Health, University of Michigan, Ann Arbor, 1996-2005  
Professor, Department of Environmental Industrial Health, School of Public Health, University of Michigan, Ann Arbor, MI, 1993 - 2013  
Research Professor, Center for Human Growth & Development, University of Michigan, Ann Arbor, MI, 1996-2013  
Adjunct Professor, Department of Biology, University of Waterloo, Ontario, Canada, 2000 - 2005  
Faculty Associate, Afro-American and African Studies, University of Michigan, 1996 – present  
Research Scientist, Federal Canadian Department of the Environment, National Water Research Institute, Burlington, Ontario, 1972-1993  
Adjunct Professor, Department of Earth Sciences, University of Waterloo, Waterloo, Ontario, Canada, 1985 – 1995.  
Visiting Research Associate, Great Lakes Environmental Laboratory, NOAA, Ann Arbor, Michigan, 1992.  
Visiting Professor, Dept. of Environmental & Industrial Health, School of Public Health, University of Michigan, Ann Arbor, 1992

## HONORS AND AWARDS

One of most cited researchers in the field of Environment/Ecology (see <http://isihighlycited.com>)

National Research Council of Canada, Predoctoral Fellowship, 1968-1970

National Research Council of Canada, Postdoctoral Fellowship, 1970-1972

Frank Rigler Medal, Canadian Society of Limnologists, 1988.

Elected Fellow of the Royal Society of Canada, 1992.

King/Chavez/Park Visiting Professorship, School of Public Health, University of Michigan, Ann Arbor, 1992

Mirosław Romanowski Medal, Royal Society of Canada, 1999

Recognized with a special session, “*Sources, Transport, Fate, and Toxicology of Trace Elements in the Environment: A Tribute to Jerome Nriagu*” at the 1999 Annual Meeting of the Geological Society of America, Denver, CO.

Fulbright Senior Fellowship, University of the West Indies, Kingston, Jamaica, 2002

Outstanding Research Award, School of Public Health, University of Michigan, 2004

Distinguished Service Award, International Union of Geosciences, Commission on Geoscience for Environmental Management, 2005

Alexander von Humboldt Distinguished Research Award, 2009

Lifetime Achievement Award, International Conferences on Heavy Metals in the Environment (ICHMET), 2012

Distinguished Alumni Award, University of Ibadan, March 2013

HONORARY DOCTOR OF SCIENCE Degree, University of Alberta (Canada), June 2016

## EDITORIAL BOARDS

(1) Editor: *Advances in Environmental Science & Technology*, John Wiley & Sons, New York, 1983 - 2001

(2) Editor: *Science of the Total Environment* (an international journal), Elsevier Science Publishers, Amsterdam., 1984 – 2001; **Editor-in-Chief**, 2001-2012

(3) Founding Editor: *Topics in Environmental Health*, Elsevier Science Publishers, Amsterdam, 1978 - 1987

(4) Founding Editor: *Trace Metals in the Environment*, Elsevier Science Publishers, Amsterdam, 1991 – 2012

(5) Associate Editor: (i) *Reclamation and Revegetation Research*, 1983-1986

(ii) *Environmental Science Reviews*, 1992 - 2013

(iii) *Environmental Research*, 1995 - 2013

(6) Editorial Boards: *Chemical Geology*, 1978 - 1984

*Tellus*, 1984 - 1990

*Geoscience Canada*, 1979 - 1982

*Biogeochemistry*, 1988 - 1991

*Handbooks of Environmental Chemistry*, 1990 - 1993

*Ciencia*, 1993 - 1999

*Aquatic Ecosystem Health & Management*, 1998 – 2005

(7). Founding Editor: *Global Health Perspectives (new journal)*, Maralte Publishers, Leiden, The Netherlands, 2012 - present

## **CONFERENCES AND WORKSHOPS (sample only)**

### **Major Conferences Organized**

Dahlem Conference on Metal Cycles and Human Health, West Berlin, 1983 (Chairman)  
International Conferences on Heavy Metals in the Environment (Chairman of meetings in Toronto, 1993 and Ann Arbor, 2000; has been responsible for keeping these meetings going for the last 25 years)  
Co-Director, NATO Advanced Research Workshop, Oslo, Norway, 1988  
Strungmann Forum on Trace Metals and Infections, Frankfurt, German, 2014 (Co-Chairman)

Convocation Lecture: University of Ibadan, Nigeria, Nov. 19, 1987 (Sole Presenter)

## **COMMITTEES AND ADMINISTRATIVE SERVICES**

### Departmental

Executive Committee, 1996 - 1998  
Curriculum Committee, 1993-94;  
Admissions Committee 1994- 96; 2002-2004; 2006-2007; 2009-2011  
Finance Committee, 2000-2002  
Toxicology Faculty Search Committee, 1995  
Exposure Assessment Faculty Search Committee, 1996; 2005-2006  
Risk Assessment Faculty Search Committee, 2005-2006  
Chair, Water Quality and Human Risk Faculty Search Committee, 2006-2007

### School of Public Health

Research Council, 1994-98  
Community-Based Public Health Committee, 1994-2010 (on and off)  
Funding Sub-committee, 1994-2006  
Practice Advisory Council, 2011-2013

### Other Schools and Centers

Executive Committee, Center for Human Growth & Development, 1998-2001  
Fellowship Committee, Center for Afro-american & African Studies (CAAS), LS&A, 1997-99  
African Initiatives Committee, CAAS, LS&A, 1998-99

### University-wide

Great Lakes Studies Council, 1993-99  
Grand Haven Center II Committee, 1996  
VPR's Review Committee on South African Initiatives Program, 1998  
Provost's Advisory Search Committee for Vice-President for Research, 1998-99  
OVPR Advisory Council, 2000-2002  
Advisory Committee, African Studies Center, 2010 - 2012

### National and International

Science Advisory Board, US Environmental Protection Agency, Total Exposure Committee, 1995-2001

Board of Directors, Alliance to End Childhood Lead Poisoning, Washington, D.C., 1999-2002

Board of Directors, Ecology Center, Ann Arbor, MI, 2000-2006

Board of Directors, Center for Health, Environment and Safety, Ibadan, Nigeria, 2002-2012

Board of Directors, International Center for Environmental & Nuclear Sciences, Kingston, Jamaica, 2007-2017

Board of Scientific Counselors, Agency for Toxic Substances and Disease Registry (ATSDR), 2002-2005

National Academy of Sciences Panel: Future Roles, Challenges and Opportunities for the US Geological Survey, 1998-2000

Council of Public Health Consultants, NSF International, Ann Arbor, MI, 1997-2018

SCOPE Committee on Global Cadmium Pollution, 1997-98

Science Advisory Panel, Lake Victoria Environment Management Project (a \$78 million dollar project funded by the World Bank), 1997-2001

External Advisory Committee, Superfund Hazardous Substances Basic Research Program, Dartmouth College, Hanover, 1995-2000

Working Group on Geochemistry and Health and Disease, International Association of Geochemistry and Cosmochemistry, 1991-1993

Objectives Evaluation Subcommittee of the Great Lakes Water Quality Board, 1988-1992

IUPAC Commission on Environmental Analytical Chemistry, 1989-1991

Hamilton-Wentworth Regional Task Force on Sustainable Development, 1991-1993

Advisory Panel, United Nations University Scientific Programs for Training Centers at Minamata City (Japan), Ulm (Germany) and Toronto, (Canada), 1990-1993

SCOPE Committee on the Global Cycle of Sulfur, 1979-1981

Liaison Officer, University of Bordeaux/Environment Canada, Canada-France Scientific Exchange Program, 1984-1985

SCOPE Committee on Trace Metals, 1984-1988

Environmental Geochemistry Committee of the Geochemical Society, 1978-81.

National Academy of Sciences (USA) Panel on Lead in the Human Environment, 1978-80

National Research Council of Canada Sub-Committee on Trace Elements, 1980-1984

Canadian National Committee on SCOPE, 1982-85

Water Monitoring Data Review Committee, Government of Alberta, Canada, 2011

### Community-based Public Health Activities

Board Member, Detroit Academic-Urban Research Center (URC), Detroit, Michigan, 1995 - 2013

Environmental Justice Committee, Arab Community Center for Economic & Social Services (ACCESS), Dearborn, MI, 1996-2001

Scientific Advisor, Flint/Genesee United for Action and Environmental Justice, 1994 - 1998

Scientific Advisor, Haile Community Association, Inc., Newberry, FL, 1996

Member, Community and Tribal Subcommittee, NCEH/ATSDR Board of Scientific Counselors, 2002-2005

## **TEACHING ACTIVITIES**

### Courses

Course Director, EIH 502, Environmental Health in Developing Countries, 2000-2013  
Course Director, EIH 585, Food Contaminants, 1993-2003  
Course Director, EIH 603/688, Topics in Environmental Health, 1995-1998  
Course Director, EIH 574, Environmental Chemistry I, 1994-2013  
Course Director, EIH 681, Environmental Chemistry II, 1996-1999  
Course Director, EHS 591: Equity Issues in Environmental Health, 2001-2013  
Course Director, EHS 615: Water Quality & Human Health in the Great Lakes Basin, 2010-2013

### Training Programs

Lecturer, Summer School for Multidisciplinary Assessment of Environmental Risks for Human Health, University of Siena, Italy, 1989  
Director, Training Course on Aquatic Environmental Chemistry, Federal University of Rio de Janeiro, Brazil, 1991  
Director, Training Course on Environmental Chemistry, National University of Mar de Plata, Argentina, 1992  
Director, Training Course on Environmental Health, University of Natal, Durban South Africa, July 1996  
Co-Director, Training course on Environmental Health, Universities of Cape Town and Durban, July 1997  
Co-Director, Training course on Environmental Chemistry and Health, University of Buenos Aires, Argentina, August 1997.

## **CONSULTANCY SERVICES**

Royal Society of Canada  
Atmospheric Environment Service, Downsview, Ontario  
Ontario Ministry of the Environment  
United Nations University, Tokyo, Japan  
British Columbia Federation of Labor, Trail, B.C.  
US Environmental Protection Agency  
US Food and Drug Administration  
US AID  
Scientific Council on Problems of the Environment (SCOPE), Paris, France  
United Nations Environmental Program, Nairobi, Kenya  
North Atlantic Treaty Organization, Brussels  
Department of Iron and Steel, Lagos, Nigeria  
Elsevier Science Publishers, Amsterdam, The Netherlands  
John Wiley & Sons, Inc., New York, NY  
Green Peace  
World Bank  
Qatar Environmental & Energy Research Institute

### Extracurricular Activities

Former member, Rotary Club International

Referee, Youth Soccer Matches

## **PUBLICATIONS**

### **BOOKS (Authored or Edited)**

32. LEAD AND LEAD POISONING IN ANTIQUITY, by J.O. Nriagu. Wiley & Sons, New York, 1983. 437 pp.
31. TRACE METALS AND INFECTIOUS DISEASES (J.O. Nriagu & E. Skaar, Editors), MIT Press, 2015; 488 pp.
30. HEAVY METALS IN THE ENVIRONMENT (J.O. Nriagu et al, Editors), Maralte, Leiden, The Netherlands, 2012
29. ENCYCLOPEDIA OF ENVIRONMENTAL HEALTH (J.O. Nriagu, Editor-in-Chief), Elsevier, First Edition, 2011; 5 volumes. Second, 2019, 7 volumes
28. MINERAL COMPONENTS IN FOODS (P. Szefer & J.O. Nriagu, Editors), CRC Press, Boca Raton, FL, 2007, 466pp
27. HEAVY METALS IN THE ENVIRONMENT (J.O. Nriagu, Editor), University of Michigan, Ann Arbor, CD-ROM, 2002
26. THALLIUM IN THE ENVIRONMENT (J.O. Nriagu, Editor), Wiley & Sons, New York, 1998, 284 pp..
25. VANADIUM IN THE ENVIRONMENT (J.O. Nriagu, Editor), Wiley & Sons, New York, 1998, Vol. 1, 410pp.; Vol. 2, 360 pp.
24. OXIDANTS IN THE ENVIRONMENT (J.O. Nriagu & M.S. Simmons, Editors), John Wiley & Sons, New York, 1994, 630 pp.
23. ARSENIC IN THE ENVIRONMENT (J.O. Nriagu, Editor), John Wiley & Sons, New York, 1994, Vol. 1, 430 pp., Vol. 2, 293 pp.
22. HEAVY METALS IN THE ENVIRONMENT, IX (R.J. Allan and J.O. Nriagu, Editors), CEP Consultants, Edinburgh, 1993, Vol. 1. 457 pp., Vol. 2, 585 pp.
21. NICKEL AND HUMAN HEALTH: CURRENT PERSPECTIVES (E. Neiboer & J.O. Nriagu, Editors), John Wiley & Sons, New York, 1992, 680 pp.
20. GASEOUS POLLUTANTS: CHARACTERIZATION AND BEHAVIOR IN THE ENVIRONMENT (J.O. Nriagu, Editor), John Wiley & Sons, New York, 602 pp.
19. ENVIRONMENTAL SOURCES OF FOOD CONTAMINATION (J.O. Nriagu & M.S. Simmons, Editors). Wiley & Sons, New York, 1990. 650 pp.
18. AQUATIC TOXICOLOGY AND WATER QUALITY MANAGEMENT (J.O. Nriagu & J.A.S. Lakshminarayana, Editors). Wiley & Sons, New York, 1989. 292 pp.
17. CHROMIUM IN THE NATURAL AND HUMAN ENVIRONMENT (J.O. Nriagu & E. Nieboer, Editors). Wiley & Sons, New York. , 1988, 571 pp.
16. CADMIUM IN THE AQUATIC ENVIRONMENT (J.O. Nriagu & J. Sprague, Editors). Wiley & Sons, New York, 1987. 272 pp.
15. TOXIC METALS IN THE ATMOSPHERE (J.O. Nriagu & C.I. Davidson, Editors). Wiley & Sons, New York, 1986. 635 pp.
14. CONTAMINANT EFFECTS ON FISH (V. Cairns, P.V. Hodson & J.O. Nriagu, Editors). Wiley & Sons, New York, 1984. 320 pp.

13. CHANGING METAL CYCLES AND HUMAN HEALTH (J.O. Nriagu, Editor). Springer-Verlag, Heidelberg, 1984. 445 pp.
12. ENVIRONMENTAL IMPACTS OF SMELTERS (J.O. Nriagu, Editor). Wiley & Sons, New York, 1984. 608 pp.
11. TOXIC CONTAMINANTS IN THE GREAT LAKES (J.O. Nriagu & M.S. Simmons, Editors). Wiley & Sons, New York, 1984. 527 pp.
10. AQUATIC TOXICOLOGY (J.O. Nriagu, Editor). Wiley & Sons, New York, 1983. 525 pp.
9. PHOSPHATE MINERALS (J.O. Nriagu & P.B. Moore, Editors). Springer-Verlag, Heidelberg, 1984. 445 pp.
8. CADMIUM IN THE ENVIRONMENT (J.O. Nriagu, Editor). Wiley & Sons, New York, 1980. Vol. 1, 682 pp., Vol. 2, 750 pp.
7. NICKEL IN THE ENVIRONMENT (J.O. Nriagu, Editor). Wiley & Sons, New York, 1980. 833 pp.
6. ZINC IN THE ENVIRONMENT (J.O. Nriagu, Editor). Wiley & Sons, New York, 1980. Vol. 1, 453 pp., Vol. 2, 480 pp.
5. BIOGEOCHEMISTRY OF MERCURY IN THE ENVIRONMENT (J.O. Nriagu, Editor). Elsevier Biomedical Press, Amsterdam, 1979. 706 pp.
4. COPPER IN THE ENVIRONMENT (J.O. Nriagu, Editor). Wiley & Sons, New York, 1979. Vol. 1, 522 pp., Vol. 2, 489 pp.
3. SULFUR IN THE ENVIRONMENT (J.O. Nriagu, Editor). Wiley & Sons, New York, 1978. Vol. 1, 522 pp., Vol. 2, 489 pp.
2. BIOGEOCHEMISTRY OF LEAD IN THE ENVIRONMENT (J.O. Nriagu, Editor). Elsevier Biomedical Press, Amsterdam, 1978. Vol. 1, 422 pp., Vol. 2, 379 pp.
1. ENVIRONMENTAL BIOGEOCHEMISTRY (J.O. Nriagu, Editor). Ann Arbor Science Publishers, Ann Arbor, Michigan, 1976. Vol. 1, 423 pp., Vol. 2, 374 pp.

## PEER-REVIEWED JOURNAL ARTICLES

268. Zheng M, Li G, Hu Y, Nriagu JO, and Zama EF (2020). Differing effects of inorganic and organic arsenic on uptake and distribution of multi-elements in Rice grain. *Environ Sci Pollution Res.*, <https://doi.org/10.1007/s11356-020-11194-0>
267. Mandal U, Singh P, Kundu AK, Chatterjee D, Nriagu J, Bhowmick S (2019). Arsenic in cooked rice: Effects of rice type, cooking water, and indigenous cooking methods in West Bengal, India. *Sci Total Environ.* 648:720-727
266. Erdenebayar, E., Dos Santos K, Edwards A, Dugersuren O, Ochir C, Nriagu JO (2019). Environmental injustice and childhood lead exposure in peri-urban (Ger) areas of Darkhan and Erdenet, Mongolia. *BMC Public Health*; Feb 7;19(1):163. DOI: 10.1186/s12889-019-6486-x. PMID: 30732589
265. Nriagu J, Xi C, Siddique A, Vincent A, Shomar B (2018). Influence of household water filters on bacteria growth and trace metals in tap water of Doha, Qatar. *Nature: Scientific Reports* 8:8268 | DOI:10.1038/s41598-018-26529-8
264. Bhowmick S, Pramanik S, Singh P, Mondal P, Chatterjee D, Nriagu J (2018). Arsenic in groundwater of West Bengal, India: A review of human health risks and assessment of possible intervention options. *Sci Total Environ.* 612:148-169.

263. Kwaansa-Ansah EE, Adimado AA, Nriagu JO, Basu N (2016). Comparison of Three Analytical Methods for the Quantitation of Mercury in Environmental Samples from the Volta Lake, Ghana. *Bull Environ Contam Toxicol.* 97(5): 677-683.
262. Ovadje L, Nriagu J (2016). Multi-dimensional knowledge of malaria among Nigerian caregivers: implications for insecticide-treated net use by children. *Malar J.* 15(1):516.
261. Nriagu JO, Udofia E, Ekong I (2016). Prevalence and correlates of worry, anxiety and stress in oil polluted areas of the Niger Delta, Nigeria. *Int. J Environ Res Pub Health.* 13(3), E346
260. Nriagu, JO, Shomar B, Darroudi F (2016). Health effects of desalinated water: Role of electrolyte disturbance in cancer development. *Environ Res.*, 150: 191-204
259. Bhowmick S, Kundu AK, Adhikari J, Chatterjee D, Iglesias M, Nriagu J, Guha Mazumder DN, Shomar B, Chatterjee D (2015). Assessment of toxic metals in groundwater and saliva in an arsenic affected area of West Bengal, India: A pilot scale study. *Environ Res.* 142: 328-336
258. Rowell C, Kuiper N, Al-Saad K, Nriagu J, Shomar B (2014). A market basket survey of As, Zn and Se in rice imports in Qatar: health implications. *Food Chem Toxicol.* 70: 33-39.
257. Bhowmick S, Halder D, Nriagu J, Guha Mazumder DN, Roman-Ross G, Chatterjee D, Iglesias M (2014). Speciation of arsenic in saliva samples from a population of West Bengal, India. *Environ Sci Technol.* 48(12): 6973-6980.
256. Obi E, Okafor C, Igwebe A, Ebenebe J, Afonne OJ, Ifediata F, Orisakwe OE, Nriagu JO, Basu N (2014). Elevated prenatal methylmercury exposure in Nigeria: evidence from maternal and cord blood. *Chemosphere.* 19: 485-489.
255. Halder D, Biswas A, Šlejkovec Z, Chatterjee D, Nriagu J, Jacks G, Bhattacharya P (2014). Arsenic species in raw and cooked rice: implications for human health in rural Bengal. *Sci Total Environ.* 497/498: 200-208.
254. Obi E, Orisakwe OE, Okafor C, Igwebe A, Ebenebe J, Afonne OJ, Ifediata F, Nils B, Nriagu J (2014). Towards prenatal biomonitoring in eastern Nigeria: assessing lead levels and anthropometric parameters of newborns. *J Univ Occup Environ Health* 36(3): 159-170.
253. Shomar B, Al-Saad K, Nriagu JO (2014). Mishandling and exposure of farm workers in Qatar to organophosphate pesticides. *Environ Res.* 133: 312-320
252. Bhowmick S, Halder D, Nriagu JO, Mazumder DNG, Roman-Ross G, Chatterjee D, Iglesias MK (2014). Speciation of Arsenic in Saliva Samples from a Population of West Bengal, India. *Environ. Sci. Technol.*, 48(12): 6973-6980.
251. Kuiper N, Rowell C, Nriagu J, Shomar B (2014). What do the trace metal contents of urine and toenail samples from Qatar's farm workers bioindicate? *Environ Res.* 131: 86-94.
250. Bhowmick S, Halder D, Kundu AK, Saha D, Iglesias M, Nriagu J, Guha Mazumder DN, Roman-Ross G, Chatterjee D (2013). Is saliva a potential biomarker of arsenic exposure? A case-control study in West Bengal, India? *Environ Sci Technol.* 47(7): 3326-3332
249. Udofi EA, Nriagu JO (2013). Health-care waste in Africa: A silent crisis? *Global Health Perspect* 1: 3-10
248. Nriagu JO, Johnson J, Samurkas C, Erdenechimeg E, Ochir C, Chandaga (2013). Co-occurrence of high levels of Uranium, Arsenic, and Molybdenum in groundwater of Dornogobi, Mongolia. *Global Health Perspect* 1: 45-54
247. Bhowmick S, Nath B, Halder D, Biswas A, Majumder S, Mondal P, Chakraborty S, Nriagu J, Bhattacharya P, Iglesias M, Roman-Ross G, Guha Mazumder D, Bundschuh J, Chatterjee D (2013). Arsenic mobilization in the aquifers of three physiographic settings of West Bengal, India: Understanding geogenic and anthropogenic influences. *J Hazard Mater.* doi:pii: S0304-3894(12)00721-2, PMID: 22999019



246. Halder D, Bhowmick S, Biswas A, Chatterjee D, Nriagu J, Guha Mazumder DN, Slejkovec Z, Jacks G, Bhattacharya P (2013). Risk of arsenic exposure from drinking water and dietary components: implications for risk management in rural bengal. *Environ Sci Technol.* 47: 1120-1127. PMID: 23198808
245. Kwaansa-Ansah EE, Voegborlo RB, Adimado AA, Ephraim JH, Nriagu JO (2012). Effect of pH, sulphate concentration and total organic carbon on mercury accumulation in sediments in the Volta Lake at Yeji, Ghana. *Bull Environ Contam Toxicol.* 88: 418-421.
244. Halder D, Bhowmick S, Biswas A, Mandal U, Nriagu J, Mazumdar DN, Chatterjee D, Bhattacharya P (2012). Consumption of brown rice: a potential pathway for arsenic exposure in rural Bengal. *Environ Sci Technol.* 46: 4142-4148.
243. Beebe-Dimmer JL, Iyer PT, Nriagu JO, Keele GR, Mehta S, Meliker JR, Lange EM, Schwartz AG, Zuhlke KA, Schottenfeld D, Cooney KA (2012). Genetic variation in glutathione S-transferase omega-1, arsenic methyltransferase and methylene-tetrahydrofolate reductase, arsenic exposure and bladder cancer: a case-control study. *Environ Health.* 29; 11:43, PMID: 22747749.
242. Nriagu J, Nam DH, Ayanwola TA, Dinh H, Erdenechimeg E, Ochir C, Bolormaa TA (2012c). High levels of uranium in groundwater of Ulaanbaatar, Mongolia. *Sci Total Environ.* 414: 722-726
241. Nriagu J, Lin TS, Mazumder DG, Chatterjee D (2012b). E-cadherin polymorphisms and susceptibility to arsenic-related skin lesions in West Bengal, India. *Sci Total Environ.* 420: 65-72.
240. Nriagu J, Martin J, Smith P, Socier D (2012a). Residential hazards, high asthma prevalence and multimorbidity among children in Saginaw, Michigan. *Sci Total Environ.* 416: 53-61
239. Rivera-Núñez Z, Meliker JR, Meeker JD, Slotnick MJ, Nriagu JO (2012). Urinary arsenic species, toenail arsenic, and arsenic intake estimates in a Michigan population with low levels of arsenic in drinking water. *J Expo Sci Environ Epidemiol.* 22: 182-190
238. Nriagu J, Nam DH, Ayanwola TA, Dinh H, Erdenechimeg E, Ochir C, Bolormaa TA (2012). High levels of uranium in groundwater of Ulaanbaatar, Mongolia. *Sci Total Environ.* 414: 722-726
237. Nriagu JO, Smith P, Socier D (2011b). A rating scale for housing-based health hazards. *Sci Total Environ.* 409(24): 5423-5431.
236. Nriagu JO, Senthamarai-Kannan R, Jamil H, Fakhori M, Korponic S (2011a). Lead poisoning among Arab American and African American children in the Detroit metropolitan area, Michigan. *Bull Environ Contam Toxicol.* 87(3): 238-244.
235. Ovadje LOE, Nriagu JO (2010). Malaria as an environmental disease. *Encyclopedia of Environmental Health*, Vol 3; pp. 558-567
234. Mandelbaum S, Nriagu JO (2010). Carbon sequestration and agriculture. *Encyclopedia of Environmental Health*, Vol 1; pp. 498-504
233. Jacquez GM, Slotnick MJ, Meliker JR, AvRuskin G, Copeland G, Nriagu JO (2011). Accuracy of commercially available residential histories for epidemiologic studies.. *American Journal of Epidemiology*, 173(2), 236-243.
232. Smith P, Nriagu JO. (2011). Lead poisoning and asthma among low-income and African American children in Saginaw, Michigan. *Environmental Research*, 111: 81-86. PMID: 21144501
231. Kwaansa-Ansah EE, Agorku SE, Nriagu JO (2011). Levels of total mercury in different fish species and sediments from the upper volta basin at yeji in Ghana.. *Bulletin of Environmental Contamination and Toxicology*, 86(4), 406-409.
230. Basu N, Nam DH, Kwansaa-Ansah E, Renne EP, Nriagu JO (2011). Multiple metals exposure in a small-scale artisanal gold mining community. *Environmental Research*, 111(3), 463-467.

229. Nriagu JO (2011e). Oil industry and the health of communities in the Niger Delta of Nigeria. *Encyclopedia of Environmental Health*, Vol 4; pp. 558-567
228. Nriagu JO (2011d). Zinc deficiency in human health. *Encyclopedia of Environmental Health*, Vol 5; pp. 789-800
227. Nriagu JO (2011c). Zinc toxicity in humans. *Encyclopedia of Environmental Health*, Vol 5; pp. 801-807
226. Nriagu JO (2011b). Lead, delinquency and violence. *Encyclopedia of Environmental Health*, pp. Vol 3; 412-420
225. Nriagu JO (2011a). Environmental Pollution and Human Health in Ancient Times. *Encyclopedia of Environmental Health*, Elsevier, Vol 2; pp. 489-506.
224. Meliker JR, Goovaerts P, Jacquez GM, Nriagu JO (2010b). Incorporating Individual-level Distributions of Exposure Error in Epidemiologic Analyses: An Example Using Arsenic in Drinking Water and Bladder Cancer. *Annals of Epidemiology*, 20(10): 750-758
223. Meliker JR, Slotnick MJ, Avruskin GA, Schottenfeld D, Jacquez GM, Wilson ML, Goovaerts P, Franzblau A, Nriagu JO (2010a). Lifetime exposure to arsenic in drinking water and bladder cancer: a population-based case-control study in Michigan, USA. *Cancer Causes Control*. 21(5): 745-757
222. Rivera-Núñez Z, Meliker JR, Linder AM, Nriagu JO (2010). The reliability of spot urine samples in assessing arsenic exposure. *Int J Hyg Environ Health*. 213(4): 259-264
221. Kwaansa-Ansah EE, Basu N, Nriagu JO. (2010). Environmental and occupational exposures to mercury among indigenous people in Dunkwa-On-Offin, a small scale gold mining area in the South-West of Ghana. *Bulletin of Environmental Contamination and Toxicology*, 85: 476-480.
220. Meliker JR, Slotnick MJ, Avruskin GA, Haack SK, Nriagu JO (2009). Influence of groundwater recharge and well characteristics on dissolved arsenic concentrations in southeastern Michigan groundwater. *Environ Geochem Health*. 31(1): 147-157. PMID: 18496757
219. Nriagu J, Boughanen M, Linder A, Howe A, Grant C, Rattray R, Vutchkov M, Lalor G (2009). Levels of As, Cd, Pb, Cu, Se and Zn in bovine kidneys and livers in Jamaica. *Ecotoxicol Environ Safety* 72(2): 564-571. PMID: 18555527
218. Kobrosly RW, Meliker JR, Nriagu JO (2009). Automobile industry occupations and bladder cancer: a population-based case-control study in southeastern Michigan, USA. *Occup Environ Med*. 66(10): 650-656. PMID: 19465410
217. Xi C, Zhang Y, Marrs CF, Ye W, Simon C, Foxman B, Nriagu J (2009). Prevalence of antibiotic resistance in drinking water treatment and distribution systems. *Appl Environ Microbiol*. 75(17): 5714-5718. PMID: 19581476
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