Matthew D Rand

List of Publications by Year
in descending order

33 papers	891 citations	18 h-index (430874)	29 g-index (477307)
35 all docs	35 docs citations	35 times ranked	904 citing authors

#	Article	IF	Citations
1	Organomercurial Lyase (MerB)-Mediated Demethylation Decreases Bacterial Methylmercury Resistance in the Absence of Mercuric Reductase (MerA). Applied and Environmental Microbiology, 2022, 88, aem0001022.	3.1	11
2	Variation in Methylmercury Metabolism and Elimination in Humans: Physiological Pharmacokinetic Modeling Highlights the Role of Gut Biotransformation, Skeletal Muscle, and Hair. Toxicological Sciences, 2021, 180, 26-37.	3.1	5
3	Neuroligin-1 Is a Mediator of Methylmercury Neuromuscular Toxicity. Toxicological Sciences, 2021, 184, 236-251.	3.1	2
4	Associations of prenatal methylmercury exposure and maternal polyunsaturated fatty acid status with neurodevelopmental outcomes at 7 years of age: results from the Seychelles Child Development Study Nutrition Cohort 2. American Journal of Clinical Nutrition, 2021, 113, 304-313.	4.7	20
5	Delivery Mode and Child Development at 20ÂMonths of Age and 7ÂYears of Age in the Republic of Seychelles. Maternal and Child Health Journal, 2021, 25, 1930-1938.	1.5	4
6	Latent effects of early-life methylmercury exposure on motor function in Drosophila. Neurotoxicology and Teratology, 2021, 88, 107037.	2.4	6
7	Developmental Toxicology of Metal Mixtures in Drosophila: Unique Properties of Potency and Interactions of Mercury Isoforms. International Journal of Molecular Sciences, 2021, 22, 12131.	4.1	10
8	Methylmercury modifies temporally expressed myogenic regulatory factors to inhibit myoblast differentiation. Toxicology in Vitro, 2020, 63, 104717.	2.4	4
9	Developmental exposure to methylmercury and resultant muscle mercury accumulation and adult motor deficits in mice. NeuroToxicology, 2020, 81, 1-10.	3.0	10
10	Tissue-specific Nrf2 signaling protects against methylmercury toxicity in Drosophila neuromuscular development. Archives of Toxicology, 2020, 94, 4007-4022.	4.2	12
11	Development of Human Hair Reference Material Supporting the Biomonitoring of Methylmercury. Analytical Sciences, 2020, 36, 561-565.	1.6	5
12	Methylmercury myotoxicity targets formation of the myotendinous junction. Toxicology, 2020, 443, 152561.	4.2	4
13	Drosophotoxicology: Elucidating Kinetic and Dynamic Pathways of Methylmercury Toxicity in a Drosophila Model. Frontiers in Genetics, 2019, 10, 666.	2.3	24
14	Associations of blood mercury and fatty acid concentrations with blood mitochondrial DNA copy number in the Seychelles Child Development Nutrition Study. Environment International, 2019, 124, 278-283.	10.0	15
15	Variation in the biological half-life of methylmercury in humans: Methods, measurements and meaning. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 129301.	2.4	26
16	Editorâ€™s Highlight: Variation in Methylmercury Metabolism and Elimination Status in Humans Following Fish Consumption. Toxicological Sciences, 2018, 161, 443-453.	3.1	30
17	Methylmercury exposure causes a persistent inhibition of myogenin expression and C2C12 myoblast differentiation. Toxicology, 2018, 393, 113-122.	4.2	12
18	Maternal polymorphisms in glutathione-related genes are associated with maternal mercury concentrations and early child neurodevelopment in a population with a fish-rich diet. Environment International, 2018, 115, 142-149.	10.0	34

#	Article	IF	Citations
19	CYP3A genes and the association between prenatal methylmercury exposure and neurodevelopment. Environment International, 2017, 105, 34-42.	10.0	24
20	Editor's Highlight: Glutathione S-Transferase Activity Moderates Methylmercury Toxicity During Development in Drosophila. Toxicological Sciences, 2017, 157, 211-221.	3.1	32
21	Notch Target Gene E(spl)mÎ´ Is a Mediator of Methylmercury-Induced Myotoxicity in Drosophila. Frontiers in Genetics, 2017, 8, 233.	2.3	20
22	Polymorphisms in ATP-binding cassette transporters associated with maternal methylmercury disposition and infant neurodevelopment in mother-infant pairs in the Seychelles Child Development Study. Environment International, 2016, 94, 224-229.	10.0	32
23	Developmental Toxicity Assays Using the <i>Drosophila</i> Model. Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al], 2014, 59, 1.12.1-20.	1.1	57
24	The Notch target E(spl)mÎ´ is a muscle-specific gene involved in methylmercury toxicity in motor neuron development. Neurotoxicology and Teratology, 2014, 43, 11-18.	2.4	20
25	A Method of Permeabilization of Drosophila Embryos for Assays of Small Molecule Activity. Journal of Visualized Experiments, 2014, , .	0.3	10
26	Genome-Wide Association Analysis of Tolerance to Methylmercury Toxicity in Drosophila Implicates Myogenic and Neuromuscular Developmental Pathways. PLoS ONE, 2014, 9, e110375.	2.5	42
27	Drosophila CYP6g1 and its human homolog CYP3A4 confer tolerance to methylmercury during development. Toxicology, 2012, 300, 75-82.	4.2	18
28	Drosophotoxicology: The growing potential for Drosophila in neurotoxicology. Neurotoxicology and Teratology, 2010, 32, 74-83.	2.4	176
29	Identification of Methylmercury Tolerance Gene Candidates in Drosophila. Toxicological Sciences, 2010, 116, 225-238.	3.1	34
30	Permeabilization of Drosophila embryos for introduction of small molecules. Insect Biochemistry and Molecular Biology, 2010, 40, 792-804.	2.7	54
31	Methylmercury disruption of embryonic neural development in Drosophila. NeuroToxicology, 2009, 30, 794-802.	3.0	55
32	Methylmercury Activates Enhancer-of-Split and Bearded Complex Genes Independent of the Notch Receptor. Toxicological Sciences, 2008, 104, 163-176.	3.1	29
33	Methylmercury induces activation of Notch signaling. NeuroToxicology, 2006, 27, 982-991.	3.0	52