Michael Kovochich

List of Publications by Year
in descending order

12	305	1163117 8	1281871 11
papers	citations	h-index	g-index

12	12	12	339
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chemical mapping of tire and road wear particles for single particle analysis. Science of the Total Environment, 2021, 757, 144085.	8.0	73
2	Toxicology of wear particles of cobalt-chromium alloy metal-on-metal hip implants Part I: Physicochemical properties in patient and simulator studies. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 1201-1215.	3.3	64
3	Characterization of Individual Tire and Road Wear Particles in Environmental Road Dust, Tunnel Dust, and Sediment. Environmental Science and Technology Letters, 2021, 8, 1057-1064.	8.7	39
4	Toxicology of wear particles of cobalt-chromium alloy metal-on-metal hip implants Part II: Importance of physicochemical properties and dose in animal and in vitro studies as a basis for risk assessment. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 1285-1298.	3.3	36
5	Understanding outcomes and toxicological aspects of second generation metal-on-metal hip implants: a state-of-the-art review. Critical Reviews in Toxicology, 2018, 48, 839-887.	3.9	31
6	Characterization of wear debris from metalâ€onâ€metal hip implants during normal wear versus edgeâ€loading conditions. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 986-996.	3.4	24
7	Carcinogenic hazard assessment of cobalt-containing alloys in medical devices: Review of in vivo studies. Regulatory Toxicology and Pharmacology, 2021, 122, 104910.	2.7	15
8	Characteristics of Cobalt-Related Cardiomyopathy in Metal Hip Implant Patients: An Evaluation of 15 Published Reports. Cardiovascular Toxicology, 2018, 18, 206-220.	2.7	10
9	An integrated benefit-risk assessment of cobalt-containing alloys used in medical devices: Implications for regulatory requirements in the European Union. Regulatory Toxicology and Pharmacology, 2021, 125, 105004.	2.7	6
10	A preliminary evaluation of immune stimulation following exposure to metal particles and ions using the mouse popliteal lymph node assay. Toxicology and Applied Pharmacology, 2016, 308, 77-90.	2.8	5
11	Methods for Sterilizing Clinically Relevant Wear Particles Isolated from Metal-on-Metal Hip Implants. Scientific Reports, 2018, 8, 2384.	3.3	2
12	Risk Assessment of Glyphosate Exposures from Pilot Study with Simulated Heavy Residential Consumer Application of Roundup Â® using a Margin of Safety (MOS) Approach. Risk Analysis, 2020, 41, 1693-1715.	2.7	0