Slawo M Lomnicki

List of Publications by Year
in descending order

34	1,866	394421 19	377865 34
papers	citations	h-index	g-index

34	34	34	1271
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Environmentally Persistent Free Radicals (EPFRs). 1. Generation of Reactive Oxygen Species in Aqueous Solutions. Environmental Science & Technology, 2011, 45, 8559-8566.	10.0	265
2	Copper Oxide-Based Model of Persistent Free Radical Formation on Combustion-Derived Particulate Matter. Environmental Science & Technology, 2008, 42, 4982-4988.	10.0	232
3	Origin and Health Impacts of Emissions of Toxic By-Products and Fine Particles from Combustion and Thermal Treatment of Hazardous Wastes and Materials. Environmental Health Perspectives, 2006, 114, 810-817.	6.0	158
4	Environmentally persistent free radicals amplify ultrafine particle mediated cellular oxidative stress and cytotoxicity. Particle and Fibre Toxicology, 2009, 6, 11.	6.2	148
5	Formation and Stabilization of Combustion-Generated, Environmentally Persistent Radicals on Ni(II)O Supported on a Silica Surface. Environmental Science & Technology, 2012, 46, 9406-9411.	10.0	106
6	Particulate Matter Containing Environmentally Persistent Free Radicals and Adverse Infant Respiratory Health Effects: A Review. Journal of Biochemical and Molecular Toxicology, 2013, 27, 56-68.	3.0	90
7	Effect of Copper Oxide Concentration on the Formation and Persistency of Environmentally Persistent Free Radicals (EPFRs) in Particulates. Environmental Science & Technology, 2014, 48, 2212-2217.	10.0	89
8	Lifetime of combustion-generated environmentally persistent free radicals on Zn(ii)O and other transition metal oxides. Journal of Environmental Monitoring, 2012, 14, 2803.	2.1	79
9	Model Combustion-Generated Particulate Matter Containing Persistent Free Radicals Redox Cycle to Produce Reactive Oxygen Species. Chemical Research in Toxicology, 2013, 26, 1862-1871.	3.3	62
10	In vitro and in vivo assessment of pulmonary risk associated with exposure to combustion generated fine particles. Environmental Toxicology and Pharmacology, 2010, 29, 173-182.	4.0	56
11	EPFR formation from phenol adsorption on Al2O3 and TiO2: EPR and EELS studies. Chemical Physics, 2013, 422, 277-282.	1.9	54
12	Formation of PCDD/Fs from the Copper Oxide-Mediated Pyrolysis and Oxidation of 1,2-Dichlorobenzene. Environmental Science & Technology, 2011, 45, 1034-1040.	10.0	53
13	PCDD/PCDF Ratio in the Precursor Formation Model over CuO Surface. Environmental Science & Technology, 2014, 48, 13864-13870.	10.0	53
14	Ferric Oxide Mediated Formation of PCDD/Fs from 2-Monochlorophenol. Environmental Science & Technology, 2009, 43, 368-373.	10.0	52
15	Environmentally persistent free radicals decrease cardiac function before and after ischemia/reperfusion injuryin vivo. Journal of Receptor and Signal Transduction Research, 2011, 31, 157-167.	2.5	50
16	Formation of Environmentally Persistent Free Radicals on Î±-Al₂O₃. Environmental Science & Technology, 2016, 50, 11094-11102.	10.0	48
17	Plants in Air Phytoremediation. Advances in Botanical Research, 2017, 83, 319-346.	1.1	38
18	Formation of PCDD/Fs from oxidation of 2-monochlorophenol over an Fe2O3/silica surface. Chemosphere, 2012, 88, 371-376.	8.2	30

#	Article	IF	Citations
19	Environmentally persistent free radicals inhibit cytochrome P450 activity in rat liver microsomes. Toxicology and Applied Pharmacology, 2014, 277, 200-209.	2.8	22
20	Role of Fe2O3 in fly ash surrogate on PCDD/Fs formation from 2-monochlorophenol. Chemosphere, 2019, 226, 809-816.	8.2	19
21	Environmentally persistent free radical-containing particulate matter competitively inhibits metabolism by cytochrome P450 1A2. Toxicology and Applied Pharmacology, 2015, 289, 223-230.	2.8	18
22	Inhibition of cytochrome P450 2B4 by environmentally persistent free radical-containing particulate matter. Biochemical Pharmacology, 2015, 95, 126-132.	4.4	18
23	A Scalable Field Study Protocol and Rationale for Passive Ambient Air Sampling: A Spatial Phytosampling for Leaf Data Collection. Environmental Science & Technology, 2017, 51, 10663-10673.	10.0	18
24	Kinetic Modeling of Cellulose Fractional Pyrolysis. Energy & Fuels, 2018, 32, 3436-3446.	5.1	16
25	Size-selective synthesis of immobilized copper oxide nanoclusters on silica. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 175, 136-142.	3.5	15
26	Influence of polymer additives on gas-phase emissions from 3D printer filaments. Chemosphere, 2021, 279, 130543.	8.2	15
27	Synergy of iron and copper oxides in the catalytic formation of PCDD/Fs from 2-monochlorophenol. Chemosphere, 2018, 203, 96-103.	8.2	11
28	Formation of DF, PCDD/Fs and EPFRs from 1,2,3-trichlorobenzene over metal oxide/silica surface. Waste Management, 2020, 118, 27-35.	7.4	11
29	Contribution of aluminas and aluminosilicates to the formation of PCDD/Fs on fly ashes. Chemosphere, 2016, 144, 2421-2426.	8.2	10
30	Polybrominated diphenyl ethers (PBDEs) in ambient air samples at the electronic waste (e-waste) reclamation site. Waste Disposal & Sustainable Energy, 2019, 1, 79-89.	2.5	10
31	Surface catalysed PCDD/F formation from precursors - high PCDF yield does not indicate de novo mechanism!. International Journal of Environment and Pollution, 2017, 61, 208.	0.2	6
32	Developmental Hazard of Environmentally Persistent Free Radicals and Protective Effect of TEMPOL in Zebrafish Model. Toxics, 2021, 9, 12.	3.7	6
33	Surface catalysed PCDD/F formation from precursors - high PCDF yield does not indicate de novo mechanism!. International Journal of Environment and Pollution, 2017, 61, 208.	0.2	4
34	Phytosamplingâ€"a supplementary tool for particulate matter (PM) speciation characterization. Environmental Science and Pollution Research, 2021, 28, 39310-39321.	5.3	4