

Inger Odnevall Wallinder

List of Publications by Year in descending order

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169
papers

7,672
citations

53660

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69108

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173
all docs

173
docs citations

173
times ranked

8723
citing authors

#	ARTICLE	IF	CITATIONS
1	Progress in additive manufacturing of MoS ₂ -based structures for energy storage applications – A review. <i>Materials Science in Semiconductor Processing</i> , 2022, 139, 106331.	1.9	24
2	Initial atmospheric corrosion studies of copper from macroscale to nanoscale in a simulated indoor atmospheric environment. <i>Corrosion Science</i> , 2022, 195, 109995.	3.0	6
3	Influence of natural organic matter on the transformation of metal and metal oxide nanoparticles and their ecotoxic potency in vitro. <i>NanoImpact</i> , 2022, 25, 100386.	2.4	8
4	Toxicity evaluation of particles formed during 3D-printing: Cytotoxic, genotoxic, and inflammatory response in lung and macrophage models. <i>Toxicology</i> , 2022, 467, 153100.	2.0	13
5	Applying Generic Water Quality Criteria to Cu and Zn in a Dynamic Aquatic Environment – The Case of the Brackish Water Formation Stråmmen-Saltsjön. <i>Water (Switzerland)</i> , 2022, 14, 847.	1.2	3
6	SLM-processed MoS ₂ /Mo ₂ S ₃ nanocomposite for energy conversion/storage applications. <i>Scientific Reports</i> , 2022, 12, 5030.	1.6	9
7	Importance of atmospheric aerosol pollutants on the degradation of Al ₂ O ₃ encapsulated Al-doped zinc oxide window layers in solar cells. <i>Progress in Photovoltaics: Research and Applications</i> , 2022, 30, 552-566.	4.4	2
8	Reactive Oxygen Species Formed by Metal and Metal Oxide Nanoparticles in Physiological Media – A Review of Reactions of Importance to Nanotoxicity and Proposal for Categorization. <i>Nanomaterials</i> , 2022, 12, 1922.	1.9	52
9	Weathering and Antimicrobial Properties of Laminate and Powder Coatings Containing Silver Phosphate Glass Used as High-Touch Surfaces. <i>Sustainability</i> , 2022, 14, 7102.	1.6	5
10	Transformation of silver nanoparticles released from skin cream and mouth spray in artificial sweat and saliva solutions: particle size, dissolution, and surface area. <i>Environmental Science and Pollution Research</i> , 2021, 28, 12968-12979.	2.7	6
11	Metal bioaccessibility in synthetic body fluids – A way to consider positive and negative alloying effects in hazard assessments. <i>Materials and Design</i> , 2021, 198, 109393.	3.3	4
12	A novel methodology to study antimicrobial properties of high-touch surfaces used for indoor hygiene applications – A study on Cu metal. <i>PLoS ONE</i> , 2021, 16, e0247081.	1.1	17
13	Corrosion of Aluminium and Zinc in Concrete at Simulated Conditions of the Repository of Low Active Waste in Sweden. <i>Corrosion and Materials Degradation</i> , 2021, 2, 150-163.	1.0	5
14	Adsorption of Horseradish Peroxidase on Metallic Nanoparticles: Effects on Reactive Oxygen Species Detection Using 2,7-Dichlorofluorescein Diacetate. <i>Chemical Research in Toxicology</i> , 2021, 34, 1481-1495.	1.7	14
15	Corrosion and transformation of solution combustion synthesized Co, Ni and CoNi nanoparticles in synthetic freshwater with and without natural organic matter. <i>Scientific Reports</i> , 2021, 11, 7860.	1.6	21
16	Adsorption of bio-organic eco-corona molecules reduces the toxic response to metallic nanoparticles in <i>Daphnia magna</i> . <i>Scientific Reports</i> , 2021, 11, 10784.	1.6	20
17	The interplay between atmospheric corrosion and antimicrobial efficiency of Cu and Cu ₅ Zn ₅ Al ₁ Sn during simulated high-touch conditions. <i>Corrosion Science</i> , 2021, 185, 109433.	3.0	13
18	Welding fume nanoparticles from solid and flux-cored wires: Solubility, toxicity, and role of fluorides. <i>Journal of Hazardous Materials</i> , 2021, 413, 125273.	6.5	22

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19	Genotoxicity and inflammatory potential of stainless steel welding fume particles: an in vitro study on standard vs Cr(VI)-reduced flux-cored wires and the role of released metals. <i>Archives of Toxicology</i> , 2021, 95, 2961-2975.	1.9	11
20	Transfer of Cobalt Nanoparticles in a Simplified Food Web: From Algae to Zooplankton to Fish. <i>Applied Nano</i> , 2021, 2, 184-205.	0.9	4
21	Bioaccessibility and reactivity of alloy powders used in powder bed fusion additive manufacturing. <i>Materialia</i> , 2021, 19, 101196.	1.3	7
22	Nanomaterials in the European chemicals legislation – methodological challenges for registration and environmental safety assessment. <i>Environmental Science: Nano</i> , 2021, 8, 731-747.	2.2	18
23	High-Resolution Microscopical Studies of Contact Killing Mechanisms on Copper-Based Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 49402-49413.	4.0	22
24	ToxTracker Reporter Cell Lines as a Tool for Mechanism-Based (Geno)Toxicity Screening of Nanoparticles – Metals, Oxides and Quantum Dots. <i>Nanomaterials</i> , 2020, 10, 110.	1.9	18
25	Stainless steel in simulated milk and whey protein solutions – Influence of grade on corrosion and metal release. <i>Electrochimica Acta</i> , 2020, 331, 135428.	2.6	16
26	Mechanical surface smoothing of micron-sized iron powder for improved silica coating performance as soft magnetic composites. <i>Applied Surface Science</i> , 2020, 531, 147340.	3.1	22
27	Corrosion and metal release investigations of selective laser melted 316L stainless steel in a synthetic physiological fluid containing proteins and in diluted hydrochloric acid. <i>Electrochimica Acta</i> , 2020, 354, 136748.	2.6	43
28	Cobalt nanoparticles trigger ferroptosis-like cell death (oxytosis) in neuronal cells: Potential implications for neurodegenerative disease. <i>FASEB Journal</i> , 2020, 34, 5262-5281.	0.2	49
29	Silver nanoparticles modulate lipopolysaccharide-triggered Toll-like receptor signaling in immune-competent human cell lines. <i>Nanoscale Advances</i> , 2020, 2, 648-658.	2.2	18
30	Surface modified Ti6Al4V for enhanced bone bonding ability – Effects of silver and corrosivity at simulated physiological conditions from a corrosion and metal release perspective. <i>Corrosion Science</i> , 2020, 168, 108566.	3.0	12
31	A mechanistic study of stratified patina evolution on Sn-bronze in chloride-rich atmospheres. <i>Corrosion Science</i> , 2020, 166, 108477.	3.0	28
32	Dry Generation of CeO ₂ Nanoparticles and Deposition onto a Co-Culture of A549 and THP-1 Cells in Air-Liquid Interface – Dosimetry Considerations and Comparison to Submerged Exposure. <i>Nanomaterials</i> , 2020, 10, 618.	1.9	27
33	Bioaccessibility of Nickel and Cobalt Released from Occupationally Relevant Alloy and Metal Powders at Simulated Human Exposure Scenarios. <i>Annals of Work Exposures and Health</i> , 2020, 64, 659-675.	0.6	7
34	Corrosion of Binder Jetting Additively Manufactured 316L Stainless Steel of Different Surface Finish. <i>Journal of the Electrochemical Society</i> , 2020, 167, 131503.	1.3	19
35	Mechanistic insight on the combined effect of albumin and hydrogen peroxide on surface oxide composition and extent of metal release from Ti6Al4V. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 858-867.	1.6	23
36	High variability in toxicity of welding fume nanoparticles from stainless steel in lung cells and reporter cell lines: the role of particle reactivity and solubility. <i>Nanotoxicology</i> , 2019, 13, 1293-1309.	1.6	27

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37	Understanding the Barrier Layer Formed via Adding BTAH in Copper Film Electrodeposition. Journal of the Electrochemical Society, 2019, 166, D10-D20.	1.3	9
38	The origin and evolution of copper patina colour. Corrosion Science, 2019, 157, 337-346.	3.0	38
39	Bioaccessibility of nickel and cobalt in powders and massive forms of stainless steel, nickel- or cobalt-based alloys, and nickel and cobalt metals in artificial sweat. Regulatory Toxicology and Pharmacology, 2019, 106, 15-26.	1.3	22
40	Improving the Life Cycle Impact Assessment of Metal Ecotoxicity: Importance of Chromium Speciation, Water Chemistry, and Metal Release. Sustainability, 2019, 11, 1655.	1.6	7
41	In the Search for Nanospecific Effects of Dissolution of Metallic Nanoparticles at Freshwater-Like Conditions: A Critical Review. Environmental Science & Technology, 2019, 53, 4030-4044.	4.6	64
42	Metal release from stainless steel 316L in whey protein - And simulated milk solutions under static and stirring conditions. Food Control, 2019, 101, 163-172.	2.8	25
43	Influence of Biocorona Formation on the Transformation and Dissolution of Cobalt Nanoparticles under Physiological Conditions. ACS Omega, 2019, 4, 21778-21791.	1.6	19
44	The role of Sn on the long-term atmospheric corrosion of binary Cu-Sn bronze alloys in architecture. Corrosion Science, 2019, 149, 54-67.	3.0	41
45	The golden alloy Cu ₅ Zn ₅ Al ₁ Sn: Patina evolution in chloride-containing atmospheres. Corrosion Science, 2018, 133, 190-203.	3.0	27
46	Long-term effects of tungsten carbide (WC) nanoparticles in pelagic and benthic aquatic ecosystems. Nanotoxicology, 2018, 12, 79-89.	1.6	13
47	Can gamma irradiation during radiotherapy influence the metal release process for biomedical CoCrMo and 316L alloys?. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 2673-2680.	1.6	8
48	Atmospheric corrosion of Zn-Al coatings in a simulated automotive environment. Surface Engineering, 2018, 34, 641-648.	1.1	12
49	Size-dependent genotoxicity of silver, gold and platinum nanoparticles studied using the mini-gel comet assay and micronucleus scoring with flow cytometry. Mutagenesis, 2018, 33, 77-85.	1.0	65
50	Size-separated particle fractions of stainless steel welding fume particles – A multi-analytical characterization focusing on surface oxide speciation and release of hexavalent chromium. Journal of Hazardous Materials, 2018, 342, 527-535.	6.5	17
51	Genotoxic and mutagenic properties of Ni and NiO nanoparticles investigated by comet assay, γ -H2AX staining, <i>hprt</i> mutation assay and ToxTracker reporter cell lines. Environmental and Molecular Mutagenesis, 2018, 59, 211-222.	0.9	64
52	The golden alloy Cu-5Zn-5Al-1Sn: A multi-analytical surface characterization. Corrosion Science, 2018, 131, 94-103.	3.0	19
53	Mechanistic insight into reactivity and (geno)toxicity of well-characterized nanoparticles of cobalt metal and oxides. Nanotoxicology, 2018, 12, 602-620.	1.6	46
54	A novel method to assess mass loss of aluminium in concrete. Materials and Corrosion - Werkstoffe Und Korrosion, 2018, 69, 1811-1814.	0.8	1

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55	Calcium-dependent cyto- and genotoxicity of nickel metal and nickel oxide nanoparticles in human lung cells. <i>Particle and Fibre Toxicology</i> , 2018, 15, 32.	2.8	70
56	Influence of humic acid and dihydroxy benzoic acid on the agglomeration, adsorption, sedimentation and dissolution of copper, manganese, aluminum and silica nanoparticles – A tentative exposure scenario. <i>PLoS ONE</i> , 2018, 13, e0192553.	1.1	26
57	Tungsten carbide nanoparticles in simulated surface water with natural organic matter: dissolution, agglomeration, sedimentation and interaction with <i>Daphnia magna</i> . <i>Environmental Science: Nano</i> , 2017, 4, 886-894.	2.2	14
58	A Critical Review on Corrosion and Runoff from Zinc and Zinc-Based Alloys in Atmospheric Environments. <i>Corrosion</i> , 2017, 73, 1060-1077.	0.5	47
59	Nanoparticles of WC-Co, WC, Co and Cu of relevance for traffic wear particles – Particle stability and reactivity in synthetic surface water and influence of humic matter. <i>Environmental Pollution</i> , 2017, 224, 275-288.	3.7	14
60	On the Mechanism of Rust Exfoliation in Marine Environments. <i>Journal of the Electrochemical Society</i> , 2017, 164, C8-C16.	1.3	34
61	Antibacterial silver nanocluster/silica composite coatings on stainless steel. <i>Applied Surface Science</i> , 2017, 396, 1546-1555.	3.1	34
62	A novel explanation for the enhanced colloidal stability of silver nanoparticles in the presence of an oppositely charged surfactant. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 28037-28043.	1.3	32
63	Characterisation of a centuries-old patinated copper roof tile from Queen Anne's Summer Palace in Prague. <i>Materials Characterization</i> , 2017, 133, 146-155.	1.9	15
64	Interaction of Albumin and Fibrinogen with Stainless Steel: Influence of Sequential Exposure and Protein Aggregation on Metal Release and Corrosion Resistance. <i>Corrosion</i> , 2017, 73, 1423-1436.	0.5	31
65	Analysis of Historic Copper Patinas. Influence of Inclusions on Patina Uniformity. <i>Materials</i> , 2017, 10, 298.	1.3	15
66	Difficulties and flaws in performing accurate determinations of zeta potentials of metal nanoparticles in complex solutions – Four case studies. <i>PLoS ONE</i> , 2017, 12, e0181735.	1.1	72
67	Electrochemical surface oxide characteristics of metal nanoparticles (Mn, Cu and Al) and the relation to toxicity. <i>Electrochimica Acta</i> , 2016, 212, 360-371.	2.6	27
68	Metal release from stainless steel in biological environments: A review. <i>Biointerphases</i> , 2016, 11, 018901.	0.6	93
69	Effect of sonication on particle dispersion, administered dose and metal release of non-functionalized, non-inert metal nanoparticles. <i>Journal of Nanoparticle Research</i> , 2016, 18, 285.	0.8	135
70	Surface passivity largely governs the bioaccessibility of nickel-based powder particles at human exposure conditions. <i>Regulatory Toxicology and Pharmacology</i> , 2016, 81, 162-170.	1.3	16
71	Mixed monolayers of alkane thiols with polar terminal group on gold: Investigation of structure dependent surface properties. <i>Journal of Colloid and Interface Science</i> , 2016, 484, 279-290.	5.0	13
72	Synergistic effects of gelatin and convection on copper foil electrodeposition. <i>Electrochimica Acta</i> , 2016, 211, 245-254.	2.6	42

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73	Metal Release and Corrosion Resistance of Different Stainless Steel Grades in Simulated Food Contact. <i>Corrosion</i> , 2016, 72, 775-790.	0.5	23
74	Optimization of an air-liquid interface exposure system for assessing toxicity of airborne nanoparticles. <i>Journal of Applied Toxicology</i> , 2016, 36, 1294-1301.	1.4	20
75	The importance of extracellular speciation and corrosion of copper nanoparticles on lung cell membrane integrity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 141, 291-300.	2.5	37
76	The protective role of hydrozincite during initial corrosion of a Cu40Zn alloy in chloride-containing laboratory atmosphere. <i>Corrosion Science</i> , 2016, 103, 20-29.	3.0	32
77	Nickel Release, ROS Generation and Toxicity of Ni and NiO Micro- and Nanoparticles. <i>PLoS ONE</i> , 2016, 11, e0159684.	1.1	109
78	Copper-based nanoparticles induce high toxicity in leukemic HL60 cells. <i>Toxicology in Vitro</i> , 2015, 29, 1711-1719.	1.1	42
79	Can Cobalt(II) and Chromium(III) Ions Released from Joint Prostheses Influence the Friction Coefficient?. <i>ACS Biomaterials Science and Engineering</i> , 2015, 1, 617-620.	2.6	25
80	Adsorption of bovine serum albumin on silver surfaces enhances the release of silver at pH neutral conditions. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 18524-18534.	1.3	47
81	Comparison of the influence of citric acid and acetic acid as simulant for acidic food on the release of alloy constituents from stainless steel AISI 201. <i>Journal of Food Engineering</i> , 2015, 145, 51-63.	2.7	32
82	Bioaccessibility of micron-sized powder particles of molybdenum metal, iron metal, molybdenum oxides and ferromolybdenum - Importance of surface oxides. <i>Regulatory Toxicology and Pharmacology</i> , 2015, 72, 447-457.	1.3	18
83	Chromium released from leather - I: exposure conditions that govern the release of chromium(III) and chromium(VI). <i>Contact Dermatitis</i> , 2015, 72, 206-215.	0.8	57
84	Surface-rain interactions: Differences in copper runoff for copper sheet of different inclination, orientation, and atmospheric exposure conditions. <i>Environmental Pollution</i> , 2015, 196, 363-370.	3.7	8
85	Influence of Citric Acid on the Metal Release of Stainless Steels. <i>Corrosion Science and Technology</i> , 2015, 14, 166-171.	0.2	4
86	Release of Si from Silicon, a Ferrosilicon (FeSi) Alloy and a Synthetic Silicate Mineral in Simulated Biological Media. <i>PLoS ONE</i> , 2014, 9, e107668.	1.1	4
87	Mechanism-based genotoxicity screening of metal oxide nanoparticles using the ToxTracker panel of reporter cell lines. <i>Particle and Fibre Toxicology</i> , 2014, 11, 41.	2.8	86
88	Metal release and speciation of released chromium from a biomedical CoCrMo alloy into simulated physiologically relevant solutions. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2014, 102, 693-699.	1.6	43
89	Mechanistic studies of corrosion product flaking on copper and copper-based alloys in marine environments. <i>Corrosion Science</i> , 2014, 85, 15-25.	3.0	109
90	Size-dependent cytotoxicity of silver nanoparticles in human lung cells: the role of cellular uptake, agglomeration and Ag release. <i>Particle and Fibre Toxicology</i> , 2014, 11, 11.	2.8	871

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91	Corrosion and runoff rates of Cu and three Cu-alloys in marine environments with increasing chloride deposition rate. <i>Science of the Total Environment</i> , 2014, 472, 681-694.	3.9	56
92	Correlation between bulk- and surface chemistry of Cr-tanned leather and the release of Cr(III) and Cr(VI). <i>Journal of Hazardous Materials</i> , 2014, 280, 654-661.	6.5	56
93	Adsorption of Lysozyme on Silver and Its Influence on Silver Release. <i>Langmuir</i> , 2014, 30, 13877-13889.	1.6	24
94	Correlation between surface physicochemical properties and the release of iron from stainless steel AISI 304 in biological media. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 122, 216-222.	2.5	63
95	Inter-laboratory validation of bioaccessibility testing for metals. <i>Regulatory Toxicology and Pharmacology</i> , 2014, 70, 170-181.	1.3	33
96	Chemical, mechanical and antibacterial properties of silver nanocluster/silica composite coated textiles for safety systems and aerospace applications. <i>Applied Surface Science</i> , 2014, 317, 131-139.	3.1	22
97	In vitro biocompatibility of CoCrMo dental alloys fabricated by selective laser melting. <i>Dental Materials</i> , 2014, 30, 525-534.	1.6	193
98	Transport and fate of silver as polymer-stabilised nanoparticles and ions in a pilot wastewater treatment plant, followed by sludge digestion and disposal of sludge/soil mixtures: A case study. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014, 49, 1416-1424.	0.9	8
99	Critical Review: Copper Runoff from Outdoor Copper Surfaces at Atmospheric Conditions. <i>Environmental Science & Technology</i> , 2014, 48, 1372-1381.	4.6	22
100	Sequential Studies of Silver Released from Silver Nanoparticles in Aqueous Media Simulating Sweat, Laundry Detergent Solutions and Surface Water. <i>Environmental Science & Technology</i> , 2014, 48, 7314-7322.	4.6	86
101	Spatial distribution and formation of corrosion products in relation to zinc release for zinc sheet and coated pre-weathered zinc at an urban and a marine atmospheric condition. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2013, 64, 300-308.	0.8	13
102	Ion selective electrodes are not suitable for measurements of silver ion concentrations in alkaline carbonate media. <i>Analytical Methods</i> , 2013, 5, 1068.	1.3	1
103	Effect of Laundry Surfactants on Surface Charge and Colloidal Stability of Silver Nanoparticles. <i>Langmuir</i> , 2013, 29, 8882-8891.	1.6	69
104	Cell membrane damage and protein interaction induced by copper containing nanoparticles – Importance of the metal release process. <i>Toxicology</i> , 2013, 313, 59-69.	2.0	222
105	Selected area visualization by FIB-milling for corrosion-microstructure analysis with submicron resolution. <i>Materials Letters</i> , 2013, 98, 230-233.	1.3	2
106	Cellular Dose of Partly Soluble Cu Particle Aerosols at the Air-Liquid Interface Using an <i>In Vitro</i> Lung Cell Exposure System. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2013, 26, 84-93.	0.7	24
107	Metal release from stainless steel powders and massive sheets – comparison and implication for risk assessment of alloys. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 381-392.	1.7	22
108	Nickel release and surface characteristics of fine powders of nickel metal and nickel oxide in media of relevance for inhalation and dermal contact. <i>Regulatory Toxicology and Pharmacology</i> , 2013, 65, 135-146.	1.3	42

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109	Intracellular Uptake and Toxicity of Ag and CuO Nanoparticles: A Comparison Between Nanoparticles and their Corresponding Metal Ions. <i>Small</i> , 2013, 9, 970-982.	5.2	270
110	Atmospheric corrosion of Galfan coatings on steel in chloride-rich environments. <i>Corrosion Science</i> , 2013, 73, 62-71.	3.0	89
111	Surface-protein interactions on different stainless steel grades: effects of protein adsorption, surface changes and metal release. <i>Journal of Materials Science: Materials in Medicine</i> , 2013, 24, 1015-1033.	1.7	103
112	Inhalation toxicity of 316L stainless steel powder in relation to bioaccessibility. <i>Human and Experimental Toxicology</i> , 2013, 32, 1137-1154.	1.1	21
113	Surface characterisation of fine inert gas and water atomised stainless steel 316L powders: formation of thermodynamically unstable surface oxide phases. <i>Powder Metallurgy</i> , 2013, 56, 158-163.	0.9	23
114	The initial release of zinc and aluminum from non-treated Galvalume and the formation of corrosion products in chloride containing media. <i>Applied Surface Science</i> , 2012, 258, 4351-4359.	3.1	35
115	Transformation/dissolution studies on the release of iron and chromium from particles of alloys compared with their pure metals and selected metal oxides. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2012, 63, 481-491.	0.8	17
116	Chromium-protein complexation studies by adsorptive cathodic stripping voltammetry and MALDI-TOF-MS. <i>Journal of Applied Electrochemistry</i> , 2012, 42, 349-358.	1.5	8
117	Adsorption and protein-induced metal release from chromium metal and stainless steel. <i>Journal of Colloid and Interface Science</i> , 2012, 366, 155-164.	5.0	61
118	Interactions between surfactants and silver nanoparticles of varying charge. <i>Journal of Colloid and Interface Science</i> , 2012, 369, 193-201.	5.0	88
119	Evolution of corrosion products and metal release from Galvalume coatings on steel during short and long-term atmospheric exposures. <i>Materials Chemistry and Physics</i> , 2012, 133, 419-428.	2.0	35
120	Characterisation of nano- and micron-sized airborne and collected subway particles, a multi-analytical approach. <i>Science of the Total Environment</i> , 2012, 427-428, 390-400.	3.9	59
121	Particle Characteristics and Metal Release From Natural Rutile (TiO ₂) and Zircon Particles in Synthetic Body Fluids. <i>Journal of Biomaterials and Nanobiotechnology</i> , 2012, 03, 37-49.	1.0	7
122	Effect of sonication and serum proteins on copper release from copper nanoparticles and the toxicity towards lung epithelial cells. <i>Nanotoxicology</i> , 2011, 5, 269-281.	1.6	53
123	Atmospheric corrosion of brass in outdoor applications. <i>Science of the Total Environment</i> , 2011, 412-413, 46-57.	3.9	47
124	Ultrafine 316L stainless steel particles with frozen-in magnetic structures characterized by means of electron backscattered diffraction. <i>Materials Letters</i> , 2011, 65, 2089-2092.	1.3	20
125	Risks of using membrane filtration for trace metal analysis and assessing the dissolved metal fraction of aqueous media - A study on zinc, copper and nickel. <i>Environmental Pollution</i> , 2011, 159, 1144-1150.	3.7	28
126	Long-term use of galvanized steel in external applications. Aspects of patina formation, zinc runoff, barrier properties of surface treatments, and coatings and environmental fate. <i>Environmental Monitoring and Assessment</i> , 2011, 173, 139-153.	1.3	44

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127	Complexation- and ligand-induced metal release from 316L particles: importance of particle size and crystallographic structure. <i>BioMetals</i> , 2011, 24, 1099-1114.	1.8	51
128	Bioaccessibility studies of ferrochromium alloy particles for a simulated inhalation scenario: A comparative study with the pure metals and stainless steel. <i>Integrated Environmental Assessment and Management</i> , 2010, 6, 441-455.	1.6	42
129	Effects of wax-based anti-graffiti on copper patina composition and dissolution during four years of outdoor urban exposure. <i>Journal of Cultural Heritage</i> , 2010, 11, 288-296.	1.5	34
130	Particles, sweat, and tears: A comparative study on bioaccessibility of ferrochromium alloy and stainless steel particles, the pure metals and their metal oxides, in simulated skin and eye contact. <i>Integrated Environmental Assessment and Management</i> , 2010, 6, 456-468.	1.6	37
131	Bioaccessibility, bioavailability and toxicity of commercially relevant iron- and chromium-based particles: in vitro studies with an inhalation perspective. <i>Particle and Fibre Toxicology</i> , 2010, 7, 23.	2.8	70
132	Chromium(III) and Chromium(VI) Surface Treated Galvanized Steel for Outdoor Constructions: Environmental Aspects. <i>Environmental Science & Technology</i> , 2010, 44, 4322-4327.	4.6	12
133	Multi-analytical investigation of stainless steel grade AISI 420 in simulated food contact. <i>Journal of Food Engineering</i> , 2009, 93, 23-31.	2.7	22
134	Surface Characteristics, Copper Release, and Toxicity of Nano- and Micrometer-Sized Copper and Copper(II) Oxide Particles: A Cross-Disciplinary Study. <i>Small</i> , 2009, 5, 389-399.	5.2	353
135	Storm water runoff measurements of copper from a naturally patinated roof and from a parking space. Aspects on environmental fate and chemical speciation. <i>Water Research</i> , 2009, 43, 5031-5038.	5.3	19
136	Corrosion-induced release of Cu and Zn into rainwater from brass, bronze and their pure metals. A 2-year field study. <i>Environmental Monitoring and Assessment</i> , 2008, 144, 455-461.	1.3	23
137	The interaction between concrete pavement and corrosion-induced copper runoff from buildings. <i>Environmental Monitoring and Assessment</i> , 2008, 140, 175-189.	1.3	14
138	Corrosion-induced release of chromium and iron from ferritic stainless steel grade AISI 430 in simulated food contact. <i>Journal of Food Engineering</i> , 2008, 87, 291-300.	2.7	55
139	Corrosion-induced release of the main alloying constituents of manganese-chromium stainless steels in different media. <i>Journal of Environmental Monitoring</i> , 2008, 10, 1084.	2.1	12
140	Metal release rate from AISI 316L stainless steel and pure Fe, Cr and Ni into a synthetic biological medium- a comparison. <i>Journal of Environmental Monitoring</i> , 2008, 10, 1092.	2.1	45
141	Corrosion induced metal release from copper based alloys compared to their pure elements. <i>Corrosion Engineering Science and Technology</i> , 2008, 43, 134-141.	0.7	20
142	Corrosion-Induced Zinc Runoff from Construction Materials in a Marine Environment. <i>Journal of the Electrochemical Society</i> , 2007, 154, C120.	1.3	20
143	In vitro studies of copper release from powder particles in synthetic biological media. <i>Environmental Pollution</i> , 2007, 145, 51-59.	3.7	72
144	Metal release from various grades of stainless steel exposed to synthetic body fluids. <i>Corrosion Science</i> , 2007, 49, 103-111.	3.0	67

#	ARTICLE	IF	CITATIONS
145	Metal release from stainless steel particles in vitro— influence of particle size. <i>Journal of Environmental Monitoring</i> , 2007, 9, 74-81.	2.1	52
146	Modelling and mapping of copper runoff for Europe. <i>Journal of Environmental Monitoring</i> , 2007, 9, 66-73.	2.1	22
147	Release and chemical speciation of copper from anti-fouling paints with different active copper compounds in artificial seawater. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2007, 58, 165-172.	0.8	29
148	Factors that influence the release of metals from stainless steels exposed to physiological media. <i>Corrosion Science</i> , 2006, 48, 2120-2132.	3.0	55
149	Corrosion-induced copper runoff from naturally and pre-patinated copper in a marine environment. <i>Corrosion Science</i> , 2006, 48, 4316-4338.	3.0	69
150	LONG-TERM CORROSION-INDUCED COPPER RUNOFF FROM NATURAL AND ARTIFICIAL PATINA AND ITS ENVIRONMENTAL IMPACT. <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 891.	2.2	28
151	Corrosion-Induced Release and Environmental Interaction of Chromium, Nickel and Iron from Stainless Steel. <i>Water, Air, and Soil Pollution</i> , 2006, 170, 17-35.	1.1	21
152	Occurrence and fate of corrosion-induced zinc in runoff water from external structures. <i>Science of the Total Environment</i> , 2006, 367, 908-923.	3.9	38
153	A Comparison of Release Rates of Cr, Ni, and Fe from Stainless Steel Alloys and the Pure Metals Exposed to Simulated Rain Events. <i>Journal of the Electrochemical Society</i> , 2005, 152, B23.	1.3	41
154	Predictive models of copper runoff from external structures. <i>Journal of Environmental Monitoring</i> , 2004, 6, 704.	2.1	21
155	Influence of Surface Treatment of Type 304L Stainless Steel on Atmospheric Corrosion Resistance in Urban and Marine Environments. <i>Corrosion</i> , 2003, 59, 220-227.	0.5	29
156	The evolution of outdoor copper patina. <i>Corrosion Science</i> , 2002, 44, 425-450.	3.0	156
157	Multianalytical in situ investigation of the initial atmospheric corrosion of bronze. <i>Corrosion Science</i> , 2002, 44, 791-802.	3.0	45
158	Determination of instantaneous corrosion rates and runoff rates of copper from naturally patinated copper during continuous rain events. <i>Corrosion Science</i> , 2002, 44, 2131-2151.	3.0	86
159	Release rates of chromium and nickel from 304 and 316 stainless steel during urban atmospheric exposure—a combined field and laboratory study. <i>Corrosion Science</i> , 2002, 44, 2303-2319.	3.0	33
160	Runoff rates, chemical speciation and bioavailability of copper released from naturally patinated copper. <i>Environmental Pollution</i> , 2002, 120, 691-700.	3.7	43
161	A laboratory study of copper and zinc runoff during first flush and steady-state conditions. <i>Corrosion Science</i> , 2001, 43, 127-146.	3.0	120
162	Atmospheric corrosion of zinc-based materials: runoff rates, chemical speciation and ecotoxicity effects. <i>Corrosion Science</i> , 2001, 43, 809-816.	3.0	61

#	ARTICLE	IF	CITATIONS
163	Seasonal variations in corrosion rate and runoff rate of copper roofs in an urban and a rural atmospheric environment. <i>Corrosion Science</i> , 2001, 43, 2379-2396.	3.0	73
164	Title is missing!. <i>Water, Air and Soil Pollution</i> , 2001, 1, 67-82.	0.8	49
165	Enhanced passivity of austenitic AISI 304 stainless steel by low-temperature ion nitriding. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2001, 19, 1425-1431.	0.9	7
166	Effects of exposure direction and inclination on the runoff rates of zinc and copper roofs. <i>Corrosion Science</i> , 2000, 42, 1471-1487.	3.0	74
167	Passivation and Anodic Oxidation of Duplex TiN Coating on Stainless Steel. <i>Journal of the Electrochemical Society</i> , 1999, 146, 4082-4086.	1.3	38
168	In Situ Infrared Reflection Absorption Spectroscopy Studies of Sulfuric Acid Formation on Platinum and Palladium Surfaces. <i>Journal of the Electrochemical Society</i> , 1998, 145, 487-492.	1.3	1
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