

# Bice Fubini

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

156  
papers

7,629  
citations

47  
h-index

80  
g-index

157  
ext. papers

8,204  
ext. citations

5.2  
avg, IF

5.6  
L-index

#	Paper	IF	Citations
156	Morphological and chemical properties of fibrous antigorite from lateritic deposit of New Caledonia in view of hazard assessment. <i>Science of the Total Environment</i> , <b>2021</b> , 777, 146185	10.2	2
155	Quantitative Flow Cytometric Evaluation of Oxidative Stress and Mitochondrial Impairment in RAW 264.7 Macrophages after Exposure to Pristine, Acid Functionalized, or Annealed Carbon Nanotubes. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	5
154	Nearly free surface silanols are the critical molecular moieties that initiate the toxicity of silica particles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 27836-27845	11.5	25
153	Identification and Preliminary Toxicological Assessment of a Non-Regulated Mineral Fiber: Fibrous Antigorite from New Caledonia. <i>Environmental and Engineering Geoscience</i> , <b>2020</b> , 26, 89-97	0.7	4
152	The puzzling issue of silica toxicity: are silanols bridging the gaps between surface states and pathogenicity?. <i>Particle and Fibre Toxicology</i> , <b>2019</b> , 16, 32	8.4	36
151	Potential evidences silanol heterogeneity induced by metal contaminants at the quartz surface: Implications in membrane damage. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 157, 449-455	6	11
150	Unveiling the Variability of "Quartz Hazard" in Light of Recent Toxicological Findings. <i>Chemical Research in Toxicology</i> , <b>2017</b> , 30, 469-485	4	37
149	Assessment of the potential respiratory hazard of volcanic ash from future Icelandic eruptions: a study of archived basaltic to rhyolitic ash samples. <i>Environmental Health</i> , <b>2017</b> , 16, 98	6	10
148	Evaluating the mechanistic evidence and key data gaps in assessing the potential carcinogenicity of carbon nanotubes and nanofibers in humans. <i>Critical Reviews in Toxicology</i> , <b>2017</b> , 47, 1-58	5.7	65
147	Editor's Highlight: Abrasion of Artificial Stones as a New Cause of an Ancient Disease. Physicochemical Features and Cellular Responses. <i>Toxicological Sciences</i> , <b>2016</b> , 153, 4-17	4.4	16
146	Physico-chemical properties of quartz from industrial manufacturing and its cytotoxic effects on alveolar macrophages: The case of green sand mould casting for iron production. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 312, 18-27	12.8	5
145	Revisiting the paradigm of silica pathogenicity with synthetic quartz crystals: the role of crystallinity and surface disorder. <i>Particle and Fibre Toxicology</i> , <b>2016</b> , 13, 32	8.4	49
144	Nanosized TiO <sub>2</sub> is internalized by dorsal root ganglion cells and causes damage via apoptosis. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2015</b> , 11, 1309-19	6	13
143	Free-radical chemistry as a means to evaluate lunar dust health hazard in view of future missions to the moon. <i>Astrobiology</i> , <b>2015</b> , 15, 371-80	3.7	15
142	Possible Chemical Source of Discrepancy between in Vitro and in Vivo Tests in Nanotoxicology Caused by Strong Adsorption of Buffer Components. <i>Chemical Research in Toxicology</i> , <b>2015</b> , 28, 87-91	4	21
141	Geological and Analytical Procedures for the Evaluation of Asbestos-Related Risk in Underground and Surface Rock Excavation <b>2015</b> , 619-622		4
140	In vitro cellular responses to silicon carbide particles manufactured through the Acheson process: impact of physico-chemical features on pro-inflammatory and pro-oxidative effects. <i>Toxicology in Vitro</i> , <b>2014</b> , 28, 856-65	3.6	8

139	Imogolite: an aluminosilicate nanotube endowed with low cytotoxicity and genotoxicity. <i>Chemical Research in Toxicology</i> , <b>2014</b> , 27, 1142-54	4	25
138	The influence of surface charge and photo-reactivity on skin-permeation enhancer property of nano-TiO <sub>2</sub> in ex vivo pig skin model under indoor light. <i>International Journal of Pharmaceutics</i> , <b>2014</b> , 467, 90-9	6.5	18
137	Why does the hemolytic activity of silica predict its pro-inflammatory activity?. <i>Particle and Fibre Toxicology</i> , <b>2014</b> , 11, 76	8.4	49
136	Toxicity of boehmite nanoparticles: impact of the ultrafine fraction and of the agglomerates size on cytotoxicity and pro-inflammatory response. <i>Inhalation Toxicology</i> , <b>2014</b> , 26, 545-53	2.7	9
135	The surface reactivity and implied toxicity of ash produced from sugarcane burning. <i>Environmental Toxicology</i> , <b>2014</b> , 29, 503-16	4.2	7
134	Hydroxyl density affects the interaction of fibrinogen with silica nanoparticles at physiological concentration. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 419, 86-94	9.3	20
133	In search of the chemical basis of the hemolytic potential of silicas. <i>Chemical Research in Toxicology</i> , <b>2013</b> , 26, 1188-98	4	61
132	Graphenic Nanoparticles from Combustion Sources Scavenge Hydroxyl Radicals Depending Upon Their Structure. <i>BioNanoScience</i> , <b>2013</b> , 3, 112-122	3.4	9
131	Ion release and tarnishing behavior of Au and Pd based amorphous alloys in artificial sweat. <i>Corrosion Science</i> , <b>2013</b> , 77, 135-142	6.8	5
130	Carbon in intimate contact with quartz reduces the biological activity of crystalline silica dusts. <i>Chemical Research in Toxicology</i> , <b>2013</b> , 26, 46-54	4	9
129	Crystalline phase modulates the potency of nanometric TiO <sub>2</sub> to adhere to and perturb the stratum corneum of porcine skin under indoor light. <i>Chemical Research in Toxicology</i> , <b>2013</b> , 26, 1579-90	4	24
128	Lichen deterioration of asbestos and asbestiform minerals of serpentinite rocks in Western Alps. <i>International Biodeterioration and Biodegradation</i> , <b>2013</b> , 84, 342-350	4.8	13
127	Localization of CdSe/ZnS quantum dots in the lysosomal acidic compartment of cultured neurons and its impact on viability: potential role of ion release. <i>Toxicology in Vitro</i> , <b>2013</b> , 27, 752-9	3.6	42
126	Second Italian consensus conference on malignant pleural mesothelioma: state of the art and recommendations. <i>Cancer Treatment Reviews</i> , <b>2013</b> , 39, 328-39	14.4	40
125	Inhibition of catecholamine secretion by iron-rich and iron-deprived multiwalled carbon nanotubes in chromaffin cells. <i>NeuroToxicology</i> , <b>2013</b> , 39, 84-94	4.4	5
124	Interaction of fibrinogen and albumin with titanium dioxide nanoparticles of different crystalline phases. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 429, 012014	0.3	22
123	In vitro cellular responses to silicon carbide nanoparticles: impact of physico-chemical features on pro-inflammatory and pro-oxidative effects. <i>Journal of Nanoparticle Research</i> , <b>2012</b> , 14, 1	2.3	25
122	Toxicity of lunar dust. <i>Planetary and Space Science</i> , <b>2012</b> , 74, 57-71	2	44

121	Surface reactivity and cell responses to chrysotile asbestos nanofibers. <i>Chemical Research in Toxicology</i> , <b>2012</b> , 25, 884-94	4	16
120	Hematite nanoparticles larger than 90 nm show no sign of toxicity in terms of lactate dehydrogenase release, nitric oxide generation, apoptosis, and comet assay in murine alveolar macrophages and human lung epithelial cells. <i>Chemical Research in Toxicology</i> , <b>2012</b> , 25, 850-61	4	35
119	Inactivation of TiO <sub>2</sub> nano-powders for the preparation of photo-stable sunscreens via carbon-based surface modification. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 19105		26
118	Physicochemical determinants in the cellular responses to nanostructured amorphous silicas. <i>Toxicological Sciences</i> , <b>2012</b> , 128, 158-70	4.4	44
117	Thickness of multiwalled carbon nanotubes affects their lung toxicity. <i>Chemical Research in Toxicology</i> , <b>2012</b> , 25, 74-82	4	93
116	Altered excitability of cultured chromaffin cells following exposure to multi-walled carbon nanotubes. <i>Nanotoxicology</i> , <b>2012</b> , 6, 47-60	5.3	16
115	Multiple aspects of the interaction of biomacromolecules with inorganic surfaces. <i>Advanced Drug Delivery Reviews</i> , <b>2011</b> , 63, 1186-209	18.5	129
114	Interaction of spherical silica nanoparticles with neuronal cells: size-dependent toxicity and perturbation of calcium homeostasis. <i>Small</i> , <b>2011</b> , 7, 766-74	11	77
113	The iron-related molecular toxicity mechanism of synthetic asbestos nanofibres: a model study for high-aspect-ratio nanoparticles. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 350-8	4.8	59
112	Model system to study the influence of aggregation on the hemolytic potential of silica nanoparticles. <i>Chemical Research in Toxicology</i> , <b>2011</b> , 24, 1869-75	4	40
111	Surface iron inhibits quartz-induced cytotoxic and inflammatory responses in alveolar macrophages. <i>Chemical Research in Toxicology</i> , <b>2011</b> , 24, 99-110	4	29
110	Effect of chemical composition and state of the surface on the toxic response to high aspect ratio nanomaterials. <i>Nanomedicine</i> , <b>2011</b> , 6, 899-920	5.6	65
109	High aspect ratio materials: role of surface chemistry vs. length in the historical "long and short amosite asbestos fibers". <i>Inhalation Toxicology</i> , <b>2010</b> , 22, 984-98	2.7	35
108	New detoxification processes for asbestos fibers in the environment. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2010</b> , 73, 368-77	3.2	14
107	Physico-chemical features of engineered nanoparticles relevant to their toxicity. <i>Nanotoxicology</i> , <b>2010</b> , 4, 347-63	5.3	219
106	Decreasing the oxidative potential of TiO <sub>2</sub> nanoparticles through modification of the surface with carbon: a new strategy for the production of safe UV filters. <i>Chemical Communications</i> , <b>2010</b> , 46, 8478-80	5.8	38
105	Does vitreous silica contradict the toxicity of the crystalline silica paradigm?. <i>Chemical Research in Toxicology</i> , <b>2010</b> , 23, 620-9	4	67
104	An integrated approach to the study of the interaction between proteins and nanoparticles. <i>Langmuir</i> , <b>2010</b> , 26, 8336-46	4	100

103	Mineralogical analyses and in vitro screening tests for the rapid evaluation of the health hazard of volcanic ash at Rabaul volcano, Papua New Guinea. <i>Bulletin of Volcanology</i> , <b>2010</b> , 72, 1077-1092	2.4	17
102	The effect of weathering on ecopersistence, reactivity, and potential toxicity of naturally occurring asbestos and asbestiform minerals. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2009</b> , 72, 305-14	3.2	20
101	Sintered indium-tin-oxide (ITO) particles: a new pneumotoxic entity. <i>Toxicological Sciences</i> , <b>2009</b> , 108, 472-81	4.4	87
100	Role of associated mineral fibres in chrysotile asbestos health effects: the case of balangeroite. <i>Annals of Occupational Hygiene</i> , <b>2009</b> , 53, 491-7		14
99	Non-UV-induced radical reactions at the surface of TiO <sub>2</sub> nanoparticles that may trigger toxic responses. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 4614-21	4.8	143
98	Weathering of chrysotile asbestos by the serpentine rock-inhabiting fungus <i>Verticillium leptobactrum</i> . <i>FEMS Microbiology Ecology</i> , <b>2009</b> , 69, 132-41	4.3	20
97	Specific effects of single antioxidants in the lipid peroxidation caused by nano-titania used in sunscreen lotions. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2009</b> , 96, 130-5	6.7	19
96	Formation of a vitreous phase at the surface of some commercial diatomaceous earth prevents the onset of oxidative stress effects. <i>Chemical Research in Toxicology</i> , <b>2009</b> , 22, 136-45	4	13
95	Role of particle coating in controlling skin damage photoinduced by titania nanoparticles. <i>Free Radical Research</i> , <b>2009</b> , 43, 312-22	4	65
94	Structural defects play a major role in the acute lung toxicity of multiwall carbon nanotubes: physicochemical aspects. <i>Chemical Research in Toxicology</i> , <b>2008</b> , 21, 1690-7	4	165
93	The oxidation of glutathione by cobalt/tungsten carbide contributes to hard metal-induced oxidative stress. <i>Free Radical Research</i> , <b>2008</b> , 42, 437-745	4	35
92	Quartz inhibits glucose 6-phosphate dehydrogenase in murine alveolar macrophages. <i>Chemical Research in Toxicology</i> , <b>2008</b> , 21, 888-94	4	23
91	A new approach to the decontamination of asbestos-polluted waters by treatment with oxalic acid under power ultrasound. <i>Ultrasonics Sonochemistry</i> , <b>2008</b> , 15, 420-427	8.9	28
90	Structural defects play a major role in the acute lung toxicity of multiwall carbon nanotubes: toxicological aspects. <i>Chemical Research in Toxicology</i> , <b>2008</b> , 21, 1698-705	4	229
89	Bioweathering of chrysotile by fungi isolated in ophiolitic sites. <i>FEMS Microbiology Letters</i> , <b>2008</b> , 285, 242-9	2.9	33
88	The combination of oxalic acid with power ultrasound fully degrades chrysotile asbestos fibres. <i>Journal of Environmental Monitoring</i> , <b>2007</b> , 9, 1064-6		23
87	Iron-loaded synthetic chrysotile: a new model solid for studying the role of iron in asbestos toxicity. <i>Chemical Research in Toxicology</i> , <b>2007</b> , 20, 380-7	4	72
86	A biomimetic approach to the chemical inactivation of chrysotile fibres by lichen metabolites. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 4081-93	4.8	36

85	Endocytosis, oxidative stress and IL-8 expression in human lung epithelial cells upon treatment with fine and ultrafine TiO <sub>2</sub> : role of the specific surface area and of surface methylation of the particles. <i>Toxicology and Applied Pharmacology</i> , <b>2007</b> , 222, 141-51	4.6	276
84	Interactions of sterile-cultured lichen-forming ascomycetes with asbestos fibres. <i>Mycological Research</i> , <b>2007</b> , 111, 473-81		20
83	Reactivity of carbon nanotubes: free radical generation or scavenging activity?. <i>Free Radical Biology and Medicine</i> , <b>2006</b> , 40, 1227-33	7.8	248
82	Surface reactivity, cytotoxic, and morphological transforming effects of diatomaceous Earth products in Syrian hamster embryo cells. <i>Toxicological Sciences</i> , <b>2006</b> , 91, 510-20	4.4	25
81	Soil fungi reduce the iron content and the DNA damaging effects of asbestos fibers. <i>Environmental Science &amp; Technology</i> , <b>2006</b> , 40, 5793-8	10.3	38
80	Potential toxicity of nonregulated asbestiform minerals: balangeroite from the western Alps. Part 2: Oxidant activity of the fibers. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2005</b> , 68, 21-39	3.2	23
79	Chrysotile asbestos is progressively converted into a non-fibrous amorphous material by the chelating action of lichen metabolites. <i>Journal of Environmental Monitoring</i> , <b>2005</b> , 7, 764-6		39
78	A macrothermodynamic approach to the limit of reversible capillary condensation. <i>Langmuir</i> , <b>2005</b> , 21, 8560-4	4	35
77	Different cellular responses evoked by natural and stoichiometric synthetic chrysotile asbestos. <i>Toxicology and Applied Pharmacology</i> , <b>2005</b> , 206, 356-64	4.6	43
76	Variability of biological effects of silicas: different degrees of activation of the fifth component of complement by amorphous silicas. <i>Toxicology and Applied Pharmacology</i> , <b>2005</b> , 208, 68-77	4.6	12
75	Inorganic materials and living organisms: surface modifications and fungal responses to various asbestos forms. <i>Chemistry - A European Journal</i> , <b>2005</b> , 11, 5611-8	4.8	27
74	Potential toxicity of nonregulated asbestiform minerals: balangeroite from the western Alps. Part 3: Depletion of antioxidant defenses. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2005</b> , 68, 41-9	3.2	33
73	Potential toxicity of nonregulated asbestiform minerals: balangeroite from the western Alps. Part 1: Identification and characterization. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2005</b> , 68, 1-19	3.2	75
72	Testing of fibrous particles: short-term assays and strategies. <i>Inhalation Toxicology</i> , <b>2005</b> , 17, 497-537	2.7	82
71	Simian virus 40 infection down-regulates the expression of nitric oxide synthase in human mesothelial cells. <i>Cancer Research</i> , <b>2004</b> , 64, 4082-4	10.1	12
70	In vitro genotoxicity assessment of commercial quartz flours in comparison to standard DQ12 quartz. <i>International Journal of Hygiene and Environmental Health</i> , <b>2004</b> , 207, 105-13	6.9	40
69	Relationship between the state of the surface of four commercial quartz flours and their biological activity in vitro and in vivo. <i>International Journal of Hygiene and Environmental Health</i> , <b>2004</b> , 207, 89-104	6.9	65
68	Variation of biological responses to different respirable quartz flours determined by a vector model. <i>International Journal of Hygiene and Environmental Health</i> , <b>2004</b> , 207, 203-16	6.9	51



67	Physical and biochemical interactions of soil fungi with asbestos fibers. <i>Environmental Toxicology and Chemistry</i> , <b>2004</b> , 23, 938-44	3.8	24
66	Reactive oxygen species (ROS) and reactive nitrogen species (RNS) generation by silica in inflammation and fibrosis. <i>Free Radical Biology and Medicine</i> , <b>2003</b> , 34, 1507-16	7.8	679
65	Reaction of cysteine and glutathione (GSH) at the freshly fractured quartz surface: a possible role in silica-related diseases?. <i>Free Radical Biology and Medicine</i> , <b>2003</b> , 35, 752-62	7.8	34
64	Long and short fiber amosite asbestos alters at a different extent the redox metabolism in human lung epithelial cells. <i>Toxicology and Applied Pharmacology</i> , <b>2003</b> , 193, 106-15	4.6	31
63	Soil Fungal Hyphae Bind and Attack Asbestos Fibers. <i>Angewandte Chemie</i> , <b>2003</b> , 115, 229-232	3.6	5
62	Soil fungal hyphae bind and attack asbestos fibers. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 219-22	16.4	38
61	Ascorbic acid modifies the surface of asbestos: possible implications in the molecular mechanisms of toxicity. <i>Chemical Research in Toxicology</i> , <b>2003</b> , 16, 328-35	4	27
60	Surface reactivity of volcanic ash from the eruption of Soufrière Hills volcano, Montserrat, West Indies with implications for health hazards. <i>Environmental Research</i> , <b>2003</b> , 93, 202-15	7.9	78
59	The surface area rather than the surface coating determines the acute inflammatory response after instillation of fine and ultrafine TiO <sub>2</sub> in the rat. <i>International Journal of Hygiene and Environmental Health</i> , <b>2002</b> , 205, 239-44	6.9	113
58	Crocidolite asbestos inhibits pentose phosphate oxidative pathway and glucose 6-phosphate dehydrogenase activity in human lung epithelial cells. <i>Free Radical Biology and Medicine</i> , <b>2002</b> , 32, 938-49	7.8	52
57	Cleavage of the fifth component of human complement and release of a split product with C5a-like activity by crystalline silica through free radical generation and kallikrein activation. <i>Toxicology and Applied Pharmacology</i> , <b>2002</b> , 179, 129-36	4.6	20
56	Surface reactivity, cytotoxicity, and transforming potency of iron-covered compared to untreated refractory ceramic fibers. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2002</b> , 65, 2007-27	3.2	19
55	Crystalline silica incubated in ascorbic acid acquires a higher cytotoxic potential. <i>Toxicology and Industrial Health</i> , <b>2002</b> , 18, 249-55	1.8	11
54	Loss of Surface Reactivity upon Heating Amphibole Asbestos. <i>Langmuir</i> , <b>2002</b> , 18, 4345-4350	4	21
53	Iron inhibits the nitric oxide synthesis elicited by asbestos in murine macrophages. <i>Free Radical Biology and Medicine</i> , <b>2001</b> , 31, 412-7	7.8	22
52	The role of metals in autoimmune vasculitis: epidemiological and pathogenic study. <i>Science of the Total Environment</i> , <b>2001</b> , 270, 179-90	10.2	31
51	Spontaneous polymerisation on amphibole asbestos: relevance to asbestos removal. <i>Chemical Communications</i> , <b>2001</b> , 2182-3	5.8	6
50	Redox state and mobility of iron at the asbestos surface: a voltammetric approach. <i>Journal of Materials Chemistry</i> , <b>2001</b> , 11, 1495-1501		15

49	Variability of Biological Responses to Silicas: Effect of Origin, Crystallinity, and State of Surface on Generation of Reactive Oxygen Species and Morphological Transformation of Mammalian Cells. <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , <b>2001</b> , 20, 14	2.1	34
48	Surface Properties of Vitreous Fibers. <i>Journal of Colloid and Interface Science</i> , <b>2000</b> , 224, 169-178	9.3	9
47	Preferential grafting of alkoxy silane coupling agents on the hydrophobic portion of the surface of micelle-templated silica. <i>New Journal of Chemistry</i> , <b>2000</b> , 24, 807-813	3.6	90
46	Possible role of ascorbic acid in the oxidative damage induced by inhaled crystalline silica particles. <i>Chemical Research in Toxicology</i> , <b>2000</b> , 13, 971-5	4	52
45	Pure-silica zeolites (Porosils) as model solids for the evaluation of the physicochemical features determining silica toxicity to macrophages. <i>Chemical Research in Toxicology</i> , <b>2000</b> , 13, 489-500	4	54
44	Generation of superoxide ions at oxide surfaces. <i>Topics in Catalysis</i> , <b>1999</b> , 8, 189-198	2.3	278
43	Zeolites as model solids for investigations on the role of iron at the solid-liquid interface in particulate toxicity. <i>Research on Chemical Intermediates</i> , <b>1999</b> , 25, 95-109	2.8	10
42	Relationship between surface properties and cellular responses to crystalline silica: studies with heat-treated cristobalite. <i>Chemical Research in Toxicology</i> , <b>1999</b> , 12, 737-45	4	81
41	Reactive Sites at the Surface of Crocidolite Asbestos. <i>Langmuir</i> , <b>1999</b> , 15, 5742-5752	4	19
40	Kinetics of Formation of Micelle-Templated Silica Mesophases Monitored by Electron Paramagnetic Resonance. <i>Journal of Colloid and Interface Science</i> , <b>1998</b> , 201, 105-117	9.3	100
39	Oxygen free radical scavenger properties of dehydroepiandrosterone. <i>Cell Biochemistry and Function</i> , <b>1998</b> , 16, 57-63	4.2	34
38	Role of urokinase in the fibrogenic response of the lung to mineral particles. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>1998</b> , 157, 617-28	10.2	32
37	Non-animal Tests for Evaluating the Toxicity of Solid Xenobiotics: The Report and Recommendations of ECVAM Workshop 301,2. <i>ATLA Alternatives To Laboratory Animals</i> , <b>1998</b> , 26, 579-615	2.1	19
36	Surface interaction between metallic cobalt and tungsten carbide particles as a primary cause of hard metal lung disease. <i>Journal of Materials Chemistry</i> , <b>1997</b> , 7, 1647-1654		12
35	Evaluation of the Surface Acidity of Some Phyllosilicates in Relation to Their Inactivating Activity toward the Enzyme Human Leucocyte Elastase. <i>Langmuir</i> , <b>1997</b> , 13, 919-927	4	2
34	Hydrophobic and Hydrophilic Behavior of Micelle-Templated Mesoporous Silica. <i>Langmuir</i> , <b>1997</b> , 13, 2773-2778	10.5	
33	Surface Reactivity in the Pathogenic Response to Particulates. <i>Environmental Health Perspectives</i> , <b>1997</b> , 105, 1013	8.4	38
32	Chemical Characterization and Reactivity of Iron Chelator-Treated Amphibole Asbestos. <i>Environmental Health Perspectives</i> , <b>1997</b> , 105, 1021	8.4	12



31	Study of the Stability of a Paramagnetic Label Linked to Mesoporous Silica Surface in Contact with Rat Mesothelial Cells in Culture. <i>Environmental Health Perspectives</i> , <b>1997</b> , 105, 1031	8.4	2
30	Surface Heterogeneity on Hydrophilic and Hydrophobic Silicas: Water and Alcohols as Probes for H-Bonding and Dispersion Forces. <i>Langmuir</i> , <b>1997</b> , 13, 895-902	4	70
29	Influence of particle surface area on the toxicity of insoluble manganese dioxide dusts. <i>Archives of Toxicology</i> , <b>1997</b> , 71, 725-9	5.8	85
28	Use of Nitroxides as Topological Monitors of the Interaction of Silica-Based Particles with Components of the Biological Environment. <i>Journal of Colloid and Interface Science</i> , <b>1997</b> , 191, 154-65	9.3	20
27	Free radical generation at the solid/liquid interface in iron containing minerals. <i>Free Radical Research</i> , <b>1995</b> , 23, 593-614	4	149
26	Physicochemical mechanism of the interaction between cobalt metal and carbide particles to generate toxic activated oxygen species. <i>Chemical Research in Toxicology</i> , <b>1995</b> , 8, 600-6	4	115
25	Spectroscopic, structural and microcalorimetric study of stishovite, a non-pathogenic polymorph of SiO <sub>2</sub> . <i>Journal of Materials Chemistry</i> , <b>1995</b> , 5, 1935		11
24	Role of iron in the reactivity of mineral fibers. <i>Toxicology Letters</i> , <b>1995</b> , 82-83, 951-60	4.4	83
23	Which Surface Functionalities are implied in Dust Toxicity? <b>1994</b> , 347-358		2
22	Effect of Chelators on the Surface Properties of Asbestos <b>1994</b> , 425-432		6
21	Evidence of stable hydroxyl radicals and other oxygen radical species generated by interaction of hydrogen peroxide with magnesium oxide. <i>The Journal of Physical Chemistry</i> , <b>1993</b> , 97, 5735-5740		48
20	Temkin-type model for the description of induced heterogeneity: CO adsorption on Group 4 transition metal dioxides. <i>Langmuir</i> , <b>1993</b> , 9, 1521-1528	4	52
19	Structural and induced heterogeneity at the surface of some silica polymorphs from the enthalpy of adsorption of various molecules. <i>Langmuir</i> , <b>1993</b> , 9, 2712-2720	4	90
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9	Reactivity towards water of silicon nitride: Energy of interaction and hydration dehydration mechanism. <i>Journal of Materials Science</i> , <b>1989</b> , 24, 549-556	4-3	17
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