Bice Fubini

List of Publications by Year
in descending order

153 papers	8,991 citations	36299 51 h-index	48312 88 g-index
157 all docs	157 docs citations	157 times ranked	9476 citing authors

#	Article	IF	Citations
1	Reactive oxygen species (ROS) and reactive nitrogen species (RNS) generation by silica in inflammation and fibrosis. Free Radical Biology and Medicine, 2003, 34, 1507-1516.	2.9	805
2	Generation of superoxide ions at oxide surfaces. Topics in Catalysis, 1999, 8, 189-198.	2.8	312
3	Endocytosis, oxidative stress and IL-8 expression in human lung epithelial cells upon treatment with fine and ultrafine TiO2: Role of the specific surface area and of surface methylation of the particles. Toxicology and Applied Pharmacology, 2007, 222, 141-151.	2.8	310
4	Reactivity of carbon nanotubes: Free radical generation or scavenging activity?. Free Radical Biology and Medicine, 2006, 40, 1227-1233.	2.9	279
5	Physico-chemical features of engineered nanoparticles relevant to their toxicity. Nanotoxicology, 2010, 4, 347-363.	3.0	261
6	Structural Defects Play a Major Role in the Acute Lung Toxicity of Multiwall Carbon Nanotubes: Toxicological Aspects. Chemical Research in Toxicology, 2008, 21, 1698-1705.	3.3	246
7	Structural Defects Play a Major Role in the Acute Lung Toxicity of Multiwall Carbon Nanotubes: Physicochemical Aspects. Chemical Research in Toxicology, 2008, 21, 1690-1697.	3.3	210
8	Free Radical Generation at the Solid/Liquid Interface in Iron Containing Minerals. Free Radical Research, 1995, 23, 593-614.	3.3	175
9	Hydrophilic and hydrophobic sites on dehydrated crystalline and amorphous silicas. Journal of the Chemical Society, Faraday Transactions, 1991, 87, 497.	1.7	166
10	Nonâ€UVâ€Induced Radical Reactions at the Surface of TiO₂ Nanoparticles That May Trigger Toxic Responses. Chemistry - A European Journal, 2009, 15, 4614-4621.	3.3	165
11	Multiple aspects of the interaction of biomacromolecules with inorganic surfaces. Advanced Drug Delivery Reviews, 2011, 63, 1186-1209.	13.7	148
12	The surface area rather than the surface coating determines the acute inflammatory response after instillation of fine and ultrafine TiO2 in the rat. International Journal of Hygiene and Environmental Health, 2002, 205, 239-244.	4.3	138
13	Physicochemical Mechanism of the Interaction between Cobalt Metal and Carbide Particles To Generate Toxic Activated Oxygen Species. Chemical Research in Toxicology, 1995, 8, 600-606.	3.3	136
14	Hydrophobic and Hydrophilic Behavior of Micelle-Templated Mesoporous Silica. Langmuir, 1997, 13, 2773-2778.	3.5	120
15	An Integrated Approach to the Study of the Interaction between Proteins and Nanoparticles. Langmuir, 2010, 26, 8336-8346.	3.5	110
16	Kinetics of Formation of Micelle-Templated Silica Mesophases Monitored by Electron Paramagnetic Resonance. Journal of Colloid and Interface Science, 1998, 201, 105-117.	9.4	108
17	Role of iron in the reactivity of mineral fibers. Toxicology Letters, 1995, 82-83, 951-960.	0.8	107
18	Thickness of Multiwalled Carbon Nanotubes Affects Their Lung Toxicity. Chemical Research in Toxicology, 2012, 25, 74-82.	3.3	105

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19	Preferential grafting of alkoxysilane coupling agents on the hydrophobic portion of the surface of micelle-templated silica. New Journal of Chemistry, 2000, 24, 807-813.	2.8	104
20	Structural and induced heterogeneity at the surface of some silica polymorphs from the enthalpy of adsorption of various molecules. Langmuir, 1993, 9, 2712-2720.	3.5	103
21	Sintered Indium-Tin-Oxide (ITO) Particles: A New Pneumotoxic Entity. Toxicological Sciences, 2009, 108, 472-481.	3.1	98
22	Influence of particle surface area on the toxicity of insoluble manganese dioxide dusts. Archives of Toxicology, 1997, 71, 725-729.	4.2	95
23	Testing of Fibrous Particles: Short-Term Assays and Strategies. Inhalation Toxicology, 2005, 17, 497-537.	1.6	93
24	Relationship between Surface Properties and Cellular Responses to Crystalline Silica:â€‰ Studies with Heat-Treated Cristobalite. Chemical Research in Toxicology, 1999, 12, 737-745.	3.3	90
25	Surface reactivity of volcanic ash from the eruption of SoufriÃ¨re Hills volcano, Montserrat, West Indies with implications for health hazards. Environmental Research, 2003, 93, 202-215.	7.5	90
26	Interaction of Spherical Silica Nanoparticles with Neuronal Cells: Sizeâ€Dependent Toxicity and Perturbation of Calcium Homeostasis. Small, 2011, 7, 766-774.	10.0	88
27	POTENTIAL TOXICITY OF NONREGULATED ASBESTIFORM MINERALS: BALANGEROITE FROM THE WESTERN ALPS. PART 1: IDENTIFICATION AND CHARACTERIZATION. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2005, 68, 1-19.	2.3	83
28	Evaluating the mechanistic evidence and key data gaps in assessing the potential carcinogenicity of carbon nanotubes and nanofibers in humans. Critical Reviews in Toxicology, 2017, 47, 1-58.	3.9	83
29	Iron-Loaded Synthetic Chrysotile:â€‰ A New Model Solid for Studying the Role of Iron in Asbestos Toxicity. Chemical Research in Toxicology, 2007, 20, 380-387.	3.3	81
30	Effect of chemical composition and state of the surface on the toxic response to high aspect ratio nanomaterials. Nanomedicine, 2011, 6, 899-920.	3.3	81
31	Does Vitreous Silica Contradict the Toxicity of the Crystalline Silica Paradigm?. Chemical Research in Toxicology, 2010, 23, 620-629.	3.3	80
32	Development and suppression of surface acidity on monoclinic zirconia: a spectroscopic and calorimetric investigation. Langmuir, 1990, 6, 695-701.	3.5	77
33	Revisiting the paradigm of silica pathogenicity with synthetic quartz crystals: the role of crystallinity and surface disorder. Particle and Fibre Toxicology, 2015, 13, 32.	6.2	77
34	Surface Heterogeneity on Hydrophilic and Hydrophobic Silicas:â€‰ Water and Alcohols as Probes for H-Bonding and Dispersion Forces. Langmuir, 1997, 13, 895-902.	3.5	76
35	Nearly free surface silanols are the critical molecular moieties that initiate the toxicity of silica particles. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27836-27846.	7.1	76
36	Relationship between the state of the surface of four commercial quartz flours and their biological activity in vitro and in vivo. International Journal of Hygiene and Environmental Health, 2004, 207, 89-104.	4.3	73

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37	In Search of the Chemical Basis of the Hemolytic Potential of Silicas. Chemical Research in Toxicology, 2013, 26, 1188-1198.	3.3	72
38	The puzzling issue of silica toxicity: are silanols bridging the gaps between surface states and pathogenicity?. Particle and Fibre Toxicology, 2019, 16, 32.	6.2	72
39	Role of particle coating in controlling skin damage photoinduced by titania nanoparticles. Free Radical Research, 2009, 43, 312-322.	3.3	71
40	The Ironâ€Related Molecular Toxicity Mechanism of Synthetic Asbestos Nanofibres: A Model Study for Highâ€Aspectâ€Ratio Nanoparticles. Chemistry - A European Journal, 2011, 17, 350-358.	3.3	65
41	Toxicity of lunar dust. Planetary and Space Science, 2012, 74, 57-71.	1.7	64
42	Temkin-type model for the description of induced heterogeneity: CO adsorption on Group 4 transition metal dioxides. Langmuir, 1993, 9, 1521-1528.	3.5	63
43	Variation of biological responses to different respirable quartz flours determined by a vector model. International Journal of Hygiene and Environmental Health, 2004, 207, 203-216.	4.3	62
44	Why does the hemolytic activity of silica predict its pro-inflammatory activity?. Particle and Fibre Toxicology, 2014, 11, 76.	6.2	62
45	Crocidolite asbestos inhibits pentose phosphate oxidative pathway and glucose 6-phosphate dehydrogenase activity in human lung epithelial cells. Free Radical Biology and Medicine, 2002, 32, 938-949.	2.9	59
46	Unveiling the Variability of â€œQuartz Hazardâ€•in Light of Recent Toxicological Findings. Chemical Research in Toxicology, 2017, 30, 469-485.	3.3	59
47	Evidence of stable hydroxyl radicals and other oxygen radical species generated by interaction of hydrogen peroxide with magnesium oxide. The Journal of Physical Chemistry, 1993, 97, 5735-5740.	2.9	57
48	Possible Role of Ascorbic Acid in the Oxidative Damage Induced by Inhaled Crystalline Silica Particles. Chemical Research in Toxicology, 2000, 13, 971-975.	3.3	57
49	Adsorption calorimetry in surface chemistry. Thermochimica Acta, 1988, 135, 19-29.	2.7	56
50	Pure-Silica Zeolites (Porosils) as Model Solids for the Evaluation of the Physicochemical Features Determining Silica Toxicity to Macrophages. Chemical Research in Toxicology, 2000, 13, 489-500.	3.3	55
51	Effect of form of the surface reactivity of differently prepared zinc oxides. Journal of the Chemical Society Faraday Transactions I, 1989, 85, 855.	1.0	52
52	Chrysotile asbestos is progressively converted into a non-fibrous amorphous material by the chelating action of lichen metabolites. Journal of Environmental Monitoring, 2005, 7, 764.	2.1	51
53	Second Italian Consensus Conference on Malignant Pleural Mesothelioma: State of the art and recommendations. Cancer Treatment Reviews, 2013, 39, 328-339.	7.7	51
54	Ammonia and water as probes for the surface reactivity of covalent solids: cristobalite and silicon carbide. Journal of the Chemical Society, Faraday Transactions, 1992, 88, 277.	1.7	50

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55	Different cellular responses evoked by natural and stoichiometric synthetic chrysotile asbestos. Toxicology and Applied Pharmacology, 2005, 206, 356-364.	2.8	50
56	Model System to Study the Influence of Aggregation on the Hemolytic Potential of Silica Nanoparticles. Chemical Research in Toxicology, 2011, 24, 1869-1875.	3.3	48
57	Physicochemical Determinants in the Cellular Responses to Nanostructured Amorphous Silicas. Toxicological Sciences, 2012, 128, 158-170.	3.1	48
58	Localization of CdSe/ZnS quantum dots in the lysosomal acidic compartment of cultured neurons and its impact on viability: Potential role of ion release. Toxicology in Vitro, 2013, 27, 752-759.	2.4	48
59	Soil Fungi Reduce the Iron Content and the DNA Damaging Effects of Asbestos Fibers. Environmental Science & Technology, 2006, 40, 5793-5798.	10.0	47
60	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. Chemical Research in Toxicology, 2012, 25, 850-861.	3.3	47
61	Induced heterogeneity at the surface of group 4 dioxides as revealed by CO adsorption at room temperature. Journal of the Chemical Society, Faraday Transactions, 1992, 88, 391.	1.7	45
62	Soil Fungal Hyphae Bind and Attack Asbestos Fibers. Angewandte Chemie - International Edition, 2003, 42, 219-222.	13.8	45
63	Thermodynamic and spectroscopic characterization of heterogeneity among adsorption sites: carbon monoxide on anatase at ambient temperature. Langmuir, 1989, 5, 892-899.	3.5	44
64	Thermodynamic and vibrational characterization of CO adsorption on variously pretreated anatase. Journal of the Chemical Society Faraday Transactions I, 1989, 85, 1383.	1.0	44
65	In vitro genotoxicity assessment of commercial quartz flours in comparison to standard DQ12 quartz. International Journal of Hygiene and Environmental Health, 2004, 207, 105-113.	4.3	44
66	Surface rehydration of variously dehydrated eta-alumina. Journal of Catalysis, 1974, 35, 1-10.	6.2	43
67	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. Journal of Environmental Pathology, Toxicology and Oncology, 2001, 20, 14.	1.2	43
68	Oxygen free radical scavenger properties of dehydroepiandrosterone. , 1998, 16, 57-63.		42
69	A Biomimetic Approach to the Chemical Inactivation of Chrysotile Fibres by Lichen Metabolites. Chemistry - A European Journal, 2007, 13, 4081-4093.	3.3	42
70	Decreasing the oxidative potential of TiO2 nanoparticles through modification of the surface with carbon: a new strategy for the production of safe UV filters. Chemical Communications, 2010, 46, 8478.	4.1	42
71	Bioweathering of chrysotile by fungi isolated in ophiolitic sites. FEMS Microbiology Letters, 2008, 285, 242-249.	1.8	41
72	Surface Reactivity in the Pathogenic Response to Particulates. Environmental Health Perspectives, 1997, 105, 1013.	6.0	40

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73	High aspect ratio materials: role of surface chemistry vs. length in the historical â€œlong and short amosite asbestos fibersâ€ Inhalation Toxicology, 2010, 22, 984-998.	1.6	40
74	Long and short fiber amosite asbestos alters at a different extent the redox metabolism in human lung epithelial cells. Toxicology and Applied Pharmacology, 2003, 193, 106-115.	2.8	39
75	A Macrothermodynamic Approach to the Limit of Reversible Capillary Condensation. Langmuir, 2005, 21, 8560-8564.	3.5	39
76	The oxidation of glutathione by cobalt/tungsten carbide contributes to hard metal-induced oxidative stress. Free Radical Research, 2008, 42, 437-745.	3.3	39
77	Weathering of chrysotile asbestos by the serpentine rock-inhabiting fungus Verticillium leptobactrum. FEMS Microbiology Ecology, 2009, 69, 132-141.	2.7	39
78	Role of Urokinase in the Fibrogenic Response of the Lung to Mineral Particles. American Journal of Respiratory and Critical Care Medicine, 1998, 157, 617-628.	5.6	38
79	The role of metals in autoimmune vasculitis: epidemiological and pathogenic study. Science of the Total Environment, 2001, 270, 179-190.	8.0	38
80	Reaction of cysteine and glutathione (GSH) at the freshly fractured quartz surface: a possible role in silica-related diseases?. Free Radical Biology and Medicine, 2003, 35, 752-762.	2.9	35
81	Inorganic Materials and Living Organisms: Surface Modifications and Fungal Responses to Various Asbestos Forms. Chemistry - A European Journal, 2005, 11, 5611-5618.	3.3	34
82	POTENTIAL TOXICITY OF NONREGULATED ASBESTIFORM MINERALS: BALANGEROITE FROM THE WESTERN ALPS. PART 3: DEPLETION OF ANTIOXIDANT DEFENSES. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2005, 68, 41-49.	2.3	34
83	Surface oxygen radicals originating via redox reactions during the mechanical activation of crystalline SiO2 in hydrogen peroxide. Colloids and Surfaces, 1990, 45, 155-165.	0.9	33
84	Surface Iron Inhibits Quartz-Induced Cytotoxic and Inflammatory Responses in Alveolar Macrophages. Chemical Research in Toxicology, 2011, 24, 99-110.	3.3	33
85	Ascorbic Acid Modifies the Surface of Asbestos:â€‰ Possible Implications in the Molecular Mechanisms of Toxicity. Chemical Research in Toxicology, 2003, 16, 328-335.	3.3	31
86	Energetics of adsorption in the aluminaâ€"water system microcalorimetric study on the influence of adsorption temperature on surface processes. Journal of Colloid and Interface Science, 1978, 64, 470-479.	9.4	29
87	A new approach to the decontamination of asbestos-polluted waters by treatment with oxalic acid under power ultrasound. Ultrasonics Sonochemistry, 2008, 15, 420-427.	8.2	29
88	In vitro cellular responses to silicon carbide nanoparticles: impact of physico-chemical features on pro-inflammatory and pro-oxidative effects. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	29
89	Crystalline Phase Modulates the Potency of Nanometric TiO₂ to Adhere to and Perturb the Stratum Corneum of Porcine Skin under Indoor Light. Chemical Research in Toxicology, 2013, 26, 1579-1590.	3.3	29
90	Editor's Highlight: Abrasion of Artificial Stones as a New Cause of an Ancient Disease. Physicochemical Features and Cellular Responses. Toxicological Sciences, 2016, 153, 4-17.	3.1	29

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91	Reactive Sites at the Surface of Crocidolite Asbestosâ€. Langmuir, 1999, 15, 5742-5752.	3.5	28
92	PHYSICAL AND BIOCHEMICAL INTERACTIONS OF SOIL FUNGI WITH ASBESTOS FIBERS. Environmental Toxicology and Chemistry, 2004, 23, 938.	4.3	28
93	POTENTIAL TOXICITY OF NONREGULATED ASBESTIFORM MINERALS: BALANGEROITE FROM THE WESTERN ALPS. PART 2: OXIDANT ACTIVITY OF THE FIBERS. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2005, 68, 21-39.	2.3	28
94	Interaction of fibrinogen and albumin with titanium dioxide nanoparticles of different crystalline phases. Journal of Physics: Conference Series, 2013, 429, 012014.	0.4	28
95	Quartz Inhibits Glucose 6-Phosphate Dehydrogenase in Murine Alveolar Macrophages. Chemical Research in Toxicology, 2008, 21, 888-894.	3.3	27
96	Inactivation of TiO2 nano-powders for the preparation of photo-stable sunscreens via carbon-based surface modification. Journal of Materials Chemistry, 2012, 22, 19105.	6.7	27
97	Iron inhibits the nitric oxide synthesis elicited by asbestos in murine macrophages. Free Radical Biology and Medicine, 2001, 31, 412-417.	2.9	26
98	Interactions of sterile-cultured lichen-forming ascomycetes with asbestos fibres. Mycological Research, 2007, 111, 473-481.	2.5	26
99	Imogolite: An Aluminosilicate Nanotube Endowed with Low Cytotoxicity and Genotoxicity. Chemical Research in Toxicology, 2014, 27, 1142-1154.	3.3	26
100	Surface Reactivity, Cytotoxic, and Morphological Transforming Effects of Diatomaceous Earth Products in Syrian Hamster Embryo Cells. Toxicological Sciences, 2006, 91, 510-520.	3.1	25
101	Non-animal Tests for Evaluating the Toxicity of Solid Xenobiotics. ATLA Alternatives To Laboratory Animals, 1998, 26, 579-615.	1.0	25
102	A novel type of active site at the surface of crystalline SiO2 (a-quartz) and its possible impact on pathogenicity. Canadian Journal of Chemistry, 1991, 69, 1427-1434.	1.1	23
103	Loss of Surface Reactivity upon Heating Amphibole Asbestos. Langmuir, 2002, 18, 4345-4350.	3.5	23
104	The combination of oxalic acid with power ultrasound fully degrades chrysotile asbestos fibres. Journal of Environmental Monitoring, 2007, 9, 1064.	2.1	23
105	The Effect of Weathering on Ecopersistence, Reactivity, and Potential Toxicity of Naturally Occurring Asbestos and Asbestiform Minerals. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2009, 72, 305-314.	2.3	23
106	Mineralogical analyses and in vitro screening tests for the rapid evaluation of the health hazard of volcanic ash at Rabaul volcano, Papua New Guinea. Bulletin of Volcanology, 2010, 72, 1077-1092.	3.0	22
107	Hydroxyl density affects the interaction of fibrinogen with silica nanoparticles at physiological concentration. Journal of Colloid and Interface Science, 2014, 419, 86-94.	9.4	22
108	Possible Chemical Source of Discrepancy between in Vitro and in Vivo Tests in Nanotoxicology Caused by Strong Adsorption of Buffer Components. Chemical Research in Toxicology, 2015, 28, 87-91.	3.3	22

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109	Use of Nitroxides as Topological Monitors of the Interaction of Silica-Based Particles with Components of the Biological Environment. Journal of Colloid and Interface Science, 1997, 191, 154-165.	9.4	21
110	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. Toxicology and Applied Pharmacology, 2002, 179, 129-136.	2.8	21
111	Specific effects of single antioxidants in the lipid peroxidation caused by nano-titania used in sunscreen lotions. Journal of Photochemistry and Photobiology B: Biology, 2009, 96, 130-135.	3.8	21
112	Surface Reactivity and Cell Responses to Chrysotile Asbestos Nanofibers. Chemical Research in Toxicology, 2012, 25, 884-894.	3.3	21
113	Free-Radical Chemistry as a Means to Evaluate Lunar Dust Health Hazard in View of Future Missions to the Moon. Astrobiology, 2015, 15, 371-380.	3.0	21
114	What is the Relationship between Hemolytic Potential and Fibrogenicity of Mineral Dusts?. Archives of Environmental Health, 1993, 48, 343-347.	0.4	20
115	SURFACE REACTIVITY, CYTOTOXICITY, AND TRANSFORMING POTENCY OF IRON-COVERED COMPARED TO UNTREATED REFRACTORY CERAMIC FIBERS. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2002, 65, 2007-2027.	2.3	20
116	The influence of surface charge and photo-reactivity on skin-permeation enhancer property of nano-TiO2 in ex vivo pig skin model under indoor light. International Journal of Pharmaceutics, 2014, 467, 90-99.	5.2	20
117	Reactivity towards water of silicon nitride: Energy of interaction and hydration dehydration mechanism. Journal of Materials Science, 1989, 24, 549-556.	3.7	19
118	Assessment of the potential respiratory hazard of volcanic ash from future Icelandic eruptions: a study of archived basaltic to rhyolitic ash samples. Environmental Health, 2017, 16, 98.	4.0	19
119	Redox state and mobility of iron at the asbestos surface: a voltammetric approach. Journal of Materials Chemistry, 2001, 11, 1495-1501.	6.7	18
120	Role of Associated Mineral Fibres in Chrysotile Asbestos Health Effects: The Case of Balangeroite. Annals of Occupational Hygiene, 2009, 53, 491-7.	1.9	18
121	Altered excitability of cultured chromaffin cells following exposure to multi-walled carbon nanotubes. Nanotoxicology, 2012, 6, 47-60.	3.0	17
122	New Detoxification Processes for Asbestos Fibers in the Environment. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2010, 73, 368-377.	2.3	16
123	Nanosized TiO2 is internalized by dorsal root ganglion cells and causes damage via apoptosis. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 1309-1319.	3.3	16
124	Î– potential evidences silanol heterogeneity induced by metal contaminants at the quartz surface: Implications in membrane damage. Colloids and Surfaces B: Biointerfaces, 2017, 157, 449-455.	5.0	16
125	Lichen deterioration of asbestos and asbestiform minerals of serpentinite rocks in Western Alps. International Biodeterioration and Biodegradation, 2013, 84, 342-350.	3.9	15
126	Variability of biological effects of silicas: Different degrees of activation of the fifth component of complement by amorphous silicas. Toxicology and Applied Pharmacology, 2005, 208, 68-77.	2.8	14

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127	Spectroscopic, structural and microcalorimetric study of stishovite, a non-pathogenic polymorph of SiO2. Journal of Materials Chemistry, 1995, 5, 1935.	6.7	13
128	Simian Virus 40 Infection Down-Regulates the Expression of Nitric Oxide Synthase in Human Mesothelial Cells. Cancer Research, 2004, 64, 4082-4084.	0.9	13
129	Formation of a Vitreous Phase at the Surface of Some Commercial Diatomaceous Earth Prevents the Onset of Oxidative Stress Effects. Chemical Research in Toxicology, 2009, 22, 136-145.	3.3	13
130	Surface interaction between metallic cobalt and tungsten carbide particles as a primary cause of hard metal lung disease. Journal of Materials Chemistry, 1997, 7, 1647-1654.	6.7	12
131	Chemical Characterization and Reactivity of Iron Chelator-Treated Amphibole Asbestos. Environmental Health Perspectives, 1997, 105, 1021.	6.0	12
132	Zeolites as model solids for investigations on the role of iron at the solid-liquid interface in particulate toxicity. Research on Chemical Intermediates, 1999, 25, 95-109.	2.7	12
133	Toxicity of boehmite nanoparticles: impact of the ultrafine fraction and of the agglomerates size on cytotoxicity and pro-inflammatory response. Inhalation Toxicology, 2014, 26, 545-553.	1.6	12
134	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. Toxicology in Vitro, 2014, 28, 856-865.	2.4	12
135	Crystalline silica incubated in ascorbic acid acquires a higher cytotoxic potential. Toxicology and Industrial Health, 2002, 18, 249-255.	1.4	11
136	Thermodynamic aspects in the adsorption of polynuclear aromatic hydrocarbons on chrysotile and silica â€" possible relation to synergistic effects in lung toxicity. Canadian Journal of Chemistry, 1989, 67, 289-296.	1.1	10
137	Surface Properties of Vitreous Fibers. Journal of Colloid and Interface Science, 2000, 224, 169-178.	9.4	10
138	Graphenic Nanoparticles from Combustion Sources Scavenge Hydroxyl Radicals Depending Upon Their Structure. BioNanoScience, 2013, 3, 112-122.	3.5	10
139	Carbon in Intimate Contact with Quartz Reduces the Biological Activity of Crystalline Silica Dusts. Chemical Research in Toxicology, 2013, 26, 46-54.	3.3	10
140	The surface reactivity and implied toxicity of ash produced from sugarcane burning. Environmental Toxicology, 2014, 29, 503-516.	4.0	10
141	Morphological and chemical properties of fibrous antigorite from lateritic deposit of New Caledonia in view of hazard assessment. Science of the Total Environment, 2021, 777, 146185.	8.0	9
142	Surface Properties of a Pyrogenic Low Surface Area Silica: A Microcalorimetric and IR Spectroscopic Investigation. Adsorption Science and Technology, 1988, 5, 239-256.	3.2	8
143	Asbestiform Minerals Associated with Chrysotile from the Western Alps (Piedmont - Italy): Chemical Characteristics and Possible Related Toxicity. , 1991, , 269-283.		8
144	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. Nanomaterials, 2020, 10, 319.	4.1	8

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145	Soil Fungal Hyphae Bind and Attack Asbestos Fibers. Angewandte Chemie, 2003, 115, 229-232.	2.0	7
146	Inhibition of catecholamine secretion by iron-rich and iron-deprived multiwalled carbon nanotubes in chromaffin cells. NeuroToxicology, 2013, 39, 84-94.	3.0	7
147	Identification and Preliminary Toxicological Assessment of a Non-Regulated Mineral Fiber: Fibrous Antigorite from New Caledonia. Environmental and Engineering Geoscience, 2020, 26, 89-97.	0.9	7
148	Spontaneous polymerisation on amphibole asbestos: relevance to asbestos removal. Chemical Communications, 2001, , 2182-2183.	4.1	6
149	Ion release and tarnishing behavior of Au and Pd based amorphous alloys in artificial sweat. Corrosion Science, 2013, 77, 135-142.	6.6	6
150	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. Journal of Hazardous Materials, 2016, 312, 18-27.	12.4	5
151	Evaluation of the Surface Acidity of Some Phyllosilicates in Relation to Their Inactivating Activity toward the Enzyme Human Leucocyte Elastase. Langmuir, 1997, 13, 919-927.	3.5	3
152	Study of the Stability of a Paramagnetic Label Linked to Mesoporous Silica Surface in Contact with Rat Mesothelial Cells in Culture. Environmental Health Perspectives, 1997, 105, 1031.	6.0	2
153	Which Surface Functionalities are implied in Dust Toxicity?. , 1994, , 347-358.		2