

Ivana Fenoglio

List of Publications by Year in descending order

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87
papers

4,646
citations

109264

35
h-index

98753

67
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88
all docs

88
docs citations

88
times ranked

5980
citing authors

#	ARTICLE	IF	CITATIONS
1	A Biomonitoring Pilot Study in Workers from a Paints Production Plant Exposed to Pigment-Grade Titanium Dioxide (TiO ₂). <i>Toxics</i> , 2022, 10, 171.	1.6	7
2	Molecular Aspects of the Interaction with Gram-Negative and Gram-Positive Bacteria of Hydrothermal Carbon Nanoparticles Associated with Bac8c ^{2,5Leu} Antimicrobial Peptide. <i>ACS Omega</i> , 2022, 7, 16402-16413.	1.6	9
3	Biological interactions of ferromagnetic iron oxide-carbon nanohybrids with alveolar epithelial cells. <i>Biomaterials Science</i> , 2022, 10, 3514-3526.	2.6	2
4	Mechanistic Insights into the Role of Iron, Copper, and Carbonaceous Component on the Oxidative Potential of Ultrafine Particulate Matter. <i>Chemical Research in Toxicology</i> , 2021, 34, 767-779.	1.7	15
5	Occupational Exposure to Carbon Nanotubes and Carbon Nanofibres: More Than a Cobweb. <i>Nanomaterials</i> , 2021, 11, 745.	1.9	25
6	Efficacy, biocompatibility and degradability of carbon nanoparticles for photothermal therapy of lung cancer. <i>Nanomedicine</i> , 2021, 16, 689-707.	1.7	5
7	Human flavin-containing monooxygenase 1 and its long-sought hydroperoxyflavin intermediate. <i>Biochemical Pharmacology</i> , 2021, 193, 114763.	2.0	9
8	Biotransformation of Food-Grade and Nanometric TiO ₂ in the Oral-Gastro-Intestinal Tract: Driving Forces and Effect on the Toxicity toward Intestinal Epithelial Cells. <i>Nanomaterials</i> , 2020, 10, 2132.	1.9	17
9	Identification of physicochemical properties that modulate nanoparticle aggregation in blood. <i>Beilstein Journal of Nanotechnology</i> , 2020, 11, 550-567.	1.5	26
10	Applicability and Limitations in the Characterization of Poly-Dispersed Engineered Nanomaterials in Cell Media by Dynamic Light Scattering (DLS). <i>Materials</i> , 2019, 12, 3833.	1.3	16
11	Pro- and anti-oxidant properties of near-infrared (NIR) light responsive carbon nanoparticles. <i>Free Radical Biology and Medicine</i> , 2019, 134, 165-176.	1.3	18
12	Indoor illumination: A possible pitfall in toxicological assessment of photo-active nanomaterials. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 350, 23-31.	2.0	3
13	Insight into ultrasound-mediated reactive oxygen species generation by various metal-porphyrin complexes. <i>Free Radical Biology and Medicine</i> , 2018, 121, 190-201.	1.3	60
14	A compact diode laser based all-fiber delivery system for PDT+PTT with integrated temperature sensing capabilities. , 2017, , .		0
15	Surface reactivity and in vitro toxicity on human bronchial epithelial cells (BEAS-2B) of nanomaterials intermediates of the production of titania-based composites. <i>Toxicology in Vitro</i> , 2016, 34, 171-178.	1.1	10
16	Multi-walled carbon nanotubes directly induce epithelial-mesenchymal transition in human bronchial epithelial cells via the TGF- β -mediated Akt/GSK-3 β /SNAIL-1 signalling pathway. <i>Particle and Fibre Toxicology</i> , 2015, 13, 27.	2.8	65
17	Nanosized TiO ₂ is internalized by dorsal root ganglion cells and causes damage via apoptosis. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 1309-1319.	1.7	16
18	Identifying contact-mediated, localized toxic effects of MWCNT aggregates on epithelial monolayers: a single-cell monitoring toxicity assay. <i>Nanotoxicology</i> , 2015, 9, 230-241.	1.6	28

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19	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> , 2015, 28, 87-91.	1.7	22
20	Fibrinogen enhances the inflammatory response of alveolar macrophages to TiO ₂ , SiO ₂ and carbon nanomaterials. <i>Nanotoxicology</i> , 2014, 10, 1-9.	1.6	23
21	Hydroxyl density affects the interaction of fibrinogen with silica nanoparticles at physiological concentration. <i>Journal of Colloid and Interface Science</i> , 2014, 419, 86-94.	5.0	22
22	Inhibition of the ROS-mediated cytotoxicity and genotoxicity of nano-TiO ₂ toward human keratinocyte cells by iron doping. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	19
23	Ultrasound-activated decafluoropentane-cored and chitosan-shelled nanodroplets for oxygen delivery to hypoxic cutaneous tissues. <i>RSC Advances</i> , 2014, 4, 38433-38441.	1.7	39
24	Graphenic Nanoparticles from Combustion Sources Scavenge Hydroxyl Radicals Depending Upon Their Structure. <i>BioNanoScience</i> , 2013, 3, 112-122.	1.5	10
25	Ion release and tarnishing behavior of Au and Pd based amorphous alloys in artificial sweat. <i>Corrosion Science</i> , 2013, 77, 135-142.	3.0	6
26	Screening of Nanoparticle Embryotoxicity Using Embryonic Stem Cells. <i>Methods in Molecular Biology</i> , 2013, 1058, 49-60.	0.4	11
27	Towards predicting the lung fibrogenic activity of nanomaterials: experimental validation of an in vitro fibroblast proliferation assay. <i>Particle and Fibre Toxicology</i> , 2013, 10, 52.	2.8	69
28	Crystalline Phase Modulates the Potency of Nanometric TiO ₂ to Adhere to and Perturb the Stratum Corneum of Porcine Skin under Indoor Light. <i>Chemical Research in Toxicology</i> , 2013, 26, 1579-1590.	1.7	29
29	Singlet oxygen plays a key role in the toxicity and DNA damage caused by nanometric TiO ₂ in human keratinocytes. <i>Nanoscale</i> , 2013, 5, 6567.	2.8	55
30	Inhibition of catecholamine secretion by iron-rich and iron-deprived multiwalled carbon nanotubes in chromaffin cells. <i>NeuroToxicology</i> , 2013, 39, 84-94.	1.4	7
31	Interaction of fibrinogen and albumin with titanium dioxide nanoparticles of different crystalline phases. <i>Journal of Physics: Conference Series</i> , 2013, 429, 012014.	0.3	28
32	Predictive tests to evaluate oxidative potential of engineered nanomaterials. <i>Journal of Physics: Conference Series</i> , 2013, 429, 012024.	0.3	1
33	Altered excitability of cultured chromaffin cells following exposure to multi-walled carbon nanotubes. <i>Nanotoxicology</i> , 2012, 6, 47-60.	1.6	17
34	Inactivation of TiO ₂ nano-powders for the preparation of photo-stable sunscreens via carbon-based surface modification. <i>Journal of Materials Chemistry</i> , 2012, 22, 19105.	6.7	27
35	Distinctive Toxicity of TiO ₂ Rutile/Anatase Mixed Phase Nanoparticles on Caco-2 Cells. <i>Chemical Research in Toxicology</i> , 2012, 25, 646-655.	1.7	162
36	Physicochemical Determinants in the Cellular Responses to Nanostructured Amorphous Silicas. <i>Toxicological Sciences</i> , 2012, 128, 158-170.	1.4	48

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37	Thickness of Multiwalled Carbon Nanotubes Affects Their Lung Toxicity. <i>Chemical Research in Toxicology</i> , 2012, 25, 74-82.	1.7	105
38	Surface Iron Inhibits Quartz-Induced Cytotoxic and Inflammatory Responses in Alveolar Macrophages. <i>Chemical Research in Toxicology</i> , 2011, 24, 99-110.	1.7	33
39	Low Doses of Pristine and Oxidized Single-Wall Carbon Nanotubes Affect Mammalian Embryonic Development. <i>ACS Nano</i> , 2011, 5, 4624-4633.	7.3	201
40	Multiple aspects of the interaction of biomacromolecules with inorganic surfaces. <i>Advanced Drug Delivery Reviews</i> , 2011, 63, 1186-1209.	6.6	148
41	Effect of chemical composition and state of the surface on the toxic response to high aspect ratio nanomaterials. <i>Nanomedicine</i> , 2011, 6, 899-920.	1.7	81
42	An Integrated Approach to the Study of the Interaction between Proteins and Nanoparticles. <i>Langmuir</i> , 2010, 26, 8336-8346.	1.6	110
43	Physico-chemical features of engineered nanoparticles relevant to their toxicity. <i>Nanotoxicology</i> , 2010, 4, 347-363.	1.6	261
44	Decreasing the oxidative potential of TiO ₂ nanoparticles through modification of the surface with carbon: a new strategy for the production of safe UV filters. <i>Chemical Communications</i> , 2010, 46, 8478.	2.2	42
45	Does Vitreous Silica Contradict the Toxicity of the Crystalline Silica Paradigm?. <i>Chemical Research in Toxicology</i> , 2010, 23, 620-629.	1.7	80
46	Sintered Indium-Tin-Oxide (ITO) Particles: A New Pneumotoxic Entity. <i>Toxicological Sciences</i> , 2009, 108, 472-481.	1.4	98
47	Non-UV-Induced Radical Reactions at the Surface of TiO ₂ Nanoparticles That May Trigger Toxic Responses. <i>Chemistry - A European Journal</i> , 2009, 15, 4614-4621.	1.7	165
48	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> , 2009, 96, 130-135.	1.7	21
49	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> , 2009, 22, 136-145.	1.7	13
50	Role of particle coating in controlling skin damage photoinduced by titania nanoparticles. <i>Free Radical Research</i> , 2009, 43, 312-322.	1.5	71
51	Structural Defects Play a Major Role in the Acute Lung Toxicity of Multiwall Carbon Nanotubes: Toxicological Aspects. <i>Chemical Research in Toxicology</i> , 2008, 21, 1698-1705.	1.7	246
52	Structural Defects Play a Major Role in the Acute Lung Toxicity of Multiwall Carbon Nanotubes: Physicochemical Aspects. <i>Chemical Research in Toxicology</i> , 2008, 21, 1690-1697.	1.7	210
53	The oxidation of glutathione by cobalt/tungsten carbide contributes to hard metal-induced oxidative stress. <i>Free Radical Research</i> , 2008, 42, 437-745.	1.5	39
54	Quartz Inhibits Glucose 6-Phosphate Dehydrogenase in Murine Alveolar Macrophages. <i>Chemical Research in Toxicology</i> , 2008, 21, 888-894.	1.7	27

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55	Toxic Potential of Mineral Dusts. <i>Elements</i> , 2007, 3, 407-414.	0.5	131
56	Endocytosis, oxidative stress and IL-8 expression in human lung epithelial cells upon treatment with fine and ultrafine TiO ₂ : Role of the specific surface area and of surface methylation of the particles. <i>Toxicology and Applied Pharmacology</i> , 2007, 222, 141-151.	1.3	310
57	Reactivity of carbon nanotubes: Free radical generation or scavenging activity?. <i>Free Radical Biology and Medicine</i> , 2006, 40, 1227-1233.	1.3	279
58	Surface Reactivity, Cytotoxic, and Morphological Transforming Effects of Diatomaceous Earth Products in Syrian Hamster Embryo Cells. <i>Toxicological Sciences</i> , 2006, 91, 510-520.	1.4	25
59	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> , 2005, 208, 68-77.	1.3	14
60	Inorganic Materials and Living Organisms: Surface Modifications and Fungal Responses to Various Asbestos Forms. <i>Chemistry - A European Journal</i> , 2005, 11, 5611-5618.	1.7	34
61	In vitro genotoxicity assessment of commercial quartz flours in comparison to standard DQ12 quartz. <i>International Journal of Hygiene and Environmental Health</i> , 2004, 207, 105-113.	2.1	44
62	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> , 2004, 207, 89-104.	2.1	73
63	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> , 2003, 35, 752-762.	1.3	35
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> , 2003, 193, 106-115.	1.3	39
65	Soil Fungal Hyphae Bind and Attack Asbestos Fibers. <i>Angewandte Chemie</i> , 2003, 115, 229-232.	1.6	7
66	Soil Fungal Hyphae Bind and Attack Asbestos Fibers. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 219-222.	7.2	45
67	Ascorbic Acid Modifies the Surface of Asbestos: Possible Implications in the Molecular Mechanisms of Toxicity. <i>Chemical Research in Toxicology</i> , 2003, 16, 328-335.	1.7	31
68	Surface reactivity of volcanic ash from the eruption of Soufrière Hills volcano, Montserrat, West Indies with implications for health hazards. <i>Environmental Research</i> , 2003, 93, 202-215.	3.7	90
69	Crystalline silica incubated in ascorbic acid acquires a higher cytotoxic potential. <i>Toxicology and Industrial Health</i> , 2002, 18, 249-255.	0.6	11
70	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> , 2002, 32, 938-949.	1.3	59
71	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> , 2002, 179, 129-136.	1.3	21
72	Spontaneous polymerisation on amphibole asbestos: relevance to asbestos removal. <i>Chemical Communications</i> , 2001, , 2182-2183.	2.2	6

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73	Iron inhibits the nitric oxide synthesis elicited by asbestos in murine macrophages. <i>Free Radical Biology and Medicine</i> , 2001, 31, 412-417.	1.3	26
74	Free radical generation in the toxicity of inhaled mineral particles: the role of iron speciation at the surface of asbestos and silica. <i>Redox Report</i> , 2001, 6, 235-241.	1.4	76
75	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> , 2001, 20, 14.	0.6	43
76	The Role of Mechanochemistry in the Pulmonary Toxicity Caused by Particulate Minerals. <i>Journal of Materials Synthesis and Processing</i> , 2000, 8, 145-153.	0.3	18
77	Possible Role of Ascorbic Acid in the Oxidative Damage Induced by Inhaled Crystalline Silica Particles. <i>Chemical Research in Toxicology</i> , 2000, 13, 971-975.	1.7	57
78	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> , 2000, 13, 489-500.	1.7	55
79	Syntheses and Structure-Activity Relationships of Novel Nor-seco Taxoids. <i>Journal of Organic Chemistry</i> , 1998, 63, 1637-1645.	1.7	26
80	Novel Base-Catalyzed Rearrangement of the Taxane Skeleton1. <i>Journal of Natural Products</i> , 1997, 60, 464-466.	1.5	12
81	Effects of yew alkaloids and related compounds on guinea-pig isolated perfused heart and papillary muscle. <i>Life Sciences</i> , 1996, 58, 845-854.	2.0	36
82	Synthesis of azetidine-type taxanes. <i>Tetrahedron Letters</i> , 1996, 37, 3203-3206.	0.7	32
83	Syntheses and Structure-Activity Relationships of New Taxoids. <i>ACS Symposium Series</i> , 1994, , 262-275.	0.5	5
84	Synthesis and biological activity of 14-hydroxydocetaxel. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1994, 4, 1571-1576.	1.0	30
85	Synthesis and Structure-Activity Relationships of Novel Nor-Seco Analogs of Taxol and Taxotere. <i>Journal of Organic Chemistry</i> , 1994, 59, 515-517.	1.7	25
86	Structure-Activity Relationships of New Taxoids Derived from 14.beta.-Hydroxy-10-deacetylbaaccatin III. <i>Journal of Medicinal Chemistry</i> , 1994, 37, 1408-1410.	2.9	34
87	Pseudoalkaloid taxanes from <i>Taxus baccata</i> . <i>Phytochemistry</i> , 1993, 33, 1521-1523.	1.4	38