

ValÃ©rie Forest

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

1,624
citations

293460

24
h-index

355658

38
g-index

64
all docs

64
docs citations

64
times ranked

3286
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene oxide incorporating carbon fibre-reinforced composites submitted to simultaneous impact and fire: Physicochemical characterisation and toxicology of the by-products. <i>Journal of Hazardous Materials</i> , 2022, 424, 127544.	6.5	9
2	Nano-delivery to the lung - by inhalation or other routes and why nano when micro is largely sufficient?. <i>Advanced Drug Delivery Reviews</i> , 2022, 183, 114173.	6.6	44
3	Experimental and Computational Nanotoxicologyâ€™ Complementary Approaches for Nanomaterial Hazard Assessment. <i>Nanomaterials</i> , 2022, 12, 1346.	1.9	17
4	Short Preirradiation of TiO ₂ Nanoparticles Increases Cytotoxicity on Human Lung Coculture System. <i>Chemical Research in Toxicology</i> , 2021, 34, 733-742.	1.7	6
5	Combined effects of nanoparticles and other environmental contaminants on human health - an issue often overlooked. <i>NanoImpact</i> , 2021, 23, 100344.	2.4	23
6	Relationship between Occupational Exposure to Airborne Nanoparticles, Nanoparticle Lung Burden and Lung Diseases. <i>Toxics</i> , 2021, 9, 204.	1.6	14
7	Graphene-Based Materials <i>In Vitro</i> Toxicity and Their Structureâ€™Activity Relationships: A Systematic Literature Review. <i>Chemical Research in Toxicology</i> , 2021, 34, 2003-2018.	1.7	28
8	Assessing biological oxidative damage induced by graphene-based materials: An asset for grouping approaches using the FRAS assay. <i>Regulatory Toxicology and Pharmacology</i> , 2021, 127, 105067.	1.3	4
9	Structureâ€™Activity Relationship of Graphene-Based Materials: Impact of the Surface Chemistry, Surface Specific Area and Lateral Size on Their In Vitro Toxicity. <i>Nanomaterials</i> , 2021, 11, 2963.	1.9	12
10	Exploring graphene-based materialsâ€™ genotoxicity: inputs of a screening method. <i>Nanotoxicology</i> , 2021, 15, 1279-1294.	1.6	4
11	A valuable experimental setup to model exposure to Legionellaâ€™s aerosols generated by shower-like systems. <i>Water Research</i> , 2020, 172, 115496.	5.3	13
12	Impact of the Physicochemical Features of TiO ₂ Nanoparticles on Their <i>In Vitro</i> Toxicity. <i>Chemical Research in Toxicology</i> , 2020, 33, 2324-2337.	1.7	33
13	Influence of the physicochemical features of TiO ₂ nanoparticles on the formation of a protein corona and impact on cytotoxicity. <i>RSC Advances</i> , 2020, 10, 43950-43959.	1.7	8
14	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> , 2020, 10, 319.	1.9	8
15	Elemental fingerprint of human amniotic fluids and relationship with potential sources of maternal exposure. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020, 60, 126477.	1.5	6
16	Direct oral anticoagulants are associated with limited damage of endothelial cells of the blood-brain barrier mediated by the thrombin/PAR-1 pathway. <i>Brain Research</i> , 2019, 1719, 57-63.	1.1	16
17	Importance of Choosing Relevant Biological End Points To Predict Nanoparticle Toxicity with Computational Approaches for Human Health Risk Assessment. <i>Chemical Research in Toxicology</i> , 2019, 32, 1320-1326.	1.7	27
18	Towards an alternative to nano-QSAR for nanoparticle toxicity ranking in case of small datasets. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	0.8	16

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19	Nano to micron-sized particle detection in patients' lungs and its pathological significance. <i>Environmental Science: Nano</i> , 2019, 6, 1343-1350.	2.2	7
20	E-cigarettes: from nicotine to cannabinoids, the French situation. <i>Lancet Respiratory Medicine</i> , 2018, 6, e16.	5.2	6
21	A method for the quantitative extraction of gold nanoparticles from human bronchoalveolar lavage fluids through a glycerol gradient. <i>Nanoscale</i> , 2018, 10, 2955-2969.	2.8	7
22	Deposition pattern of aerosolized <i>Legionella</i> using an ex vivo human-porcine respiratory model. <i>International Journal of Hygiene and Environmental Health</i> , 2018, 221, 252-259.	2.1	9
23	Ex vivo detection and quantification of gold nanoparticles in human seminal and follicular fluids. <i>Analyst</i> , 2018, 143, 475-486.	1.7	7
24	Assessment of HBEC-5i endothelial cell line cultivated in astrocyte conditioned medium as a human blood-brain barrier model for ABC drug transport studies. <i>International Journal of Pharmaceutics</i> , 2018, 551, 281-289.	2.6	38
25	Impact of silica nanoparticle surface chemistry on protein corona formation and consequential interactions with biological cells. <i>Materials Science and Engineering C</i> , 2017, 75, 16-24.	3.8	79
26	Biological Monitoring of Inhaled Nanoparticles in Patients: An Appealing Approach To Study Causal Link between Human Respiratory Pathology and Exposure to Nanoparticles. <i>Chemical Research in Toxicology</i> , 2017, 30, 1655-1660.	1.7	11
27	Metal load assessment in patient pulmonary lavages: towards a comprehensive mineralogical analysis including the nano-sized fraction. <i>Nanotoxicology</i> , 2017, 11, 1211-1224.	1.6	9
28	Preferential binding of positive nanoparticles on cell membranes is due to electrostatic interactions: A too simplistic explanation that does not take into account the nanoparticle protein corona. <i>Materials Science and Engineering C</i> , 2017, 70, 889-896.	3.8	145
29	Impact of cerium oxide nanoparticles shape on their in vitro cellular toxicity. <i>Toxicology in Vitro</i> , 2017, 38, 136-141.	1.1	107
30	Impact of the chemical composition of poly-substituted hydroxyapatite particles on the in vitro pro-inflammatory response of macrophages. <i>Biomedical Microdevices</i> , 2016, 18, 27.	1.4	11
31	The nanoparticle protein corona: The myth of average. <i>Nano Today</i> , 2016, 11, 700-703.	6.2	34
32	Detection and analysis of nanoparticles in patients: A critical review of the status quo of clinical nanotoxicology. <i>Biomaterials</i> , 2016, 76, 302-312.	5.7	35
33	Testicular biodistribution of silica-gold nanoparticles after intramuscular injection in mice. <i>Biomedical Microdevices</i> , 2015, 17, 66.	1.4	32
34	Metals distribution in colorectal biopsies: New insight on the elemental fingerprint of tumour tissue. <i>Digestive and Liver Disease</i> , 2015, 47, 602-607.	0.4	28
35	Electrostatic interactions favor the binding of positive nanoparticles on cells: A reductive theory. <i>Nano Today</i> , 2015, 10, 677-680.	6.2	70
36	Adsorption of Lactate Dehydrogenase Enzyme on Carbon Nanotubes: How to Get Accurate Results for the Cytotoxicity of These Nanomaterials. <i>Langmuir</i> , 2015, 31, 3635-3643.	1.6	25

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37	Thermal annealing of carbon nanotubes reveals a toxicological impact of the structural defects. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	19
38	Quantification of nanoparticle endocytosis based on double fluorescent pH-sensitive nanoparticles. <i>Biomedical Microdevices</i> , 2015, 17, 42.	1.4	9
39	In vitro toxicity of carbon nanotubes, nano-graphite and carbon black, similar impacts of acid functionalization. <i>Toxicology in Vitro</i> , 2015, 30, 476-485.	1.1	49
40	Toxicity of boehmite nanoparticles: impact of the ultrafine fraction and of the agglomerates size on cytotoxicity and pro-inflammatory response. <i>Inhalation Toxicology</i> , 2014, 26, 545-553.	0.8	12
41	Adsorption at cell surface and cellular uptake of silica nanoparticles with different surface chemical functionalizations: impact on cytotoxicity. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	28
42	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> , 2014, 28, 856-865.	1.1	12
43	Biological response to purification and acid functionalization of carbon nanotubes. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	24
44	Large-scale independent validation of the nuclear factor-kappa B p65 prognostic biomarker in prostate cancer. <i>European Journal of Cancer</i> , 2013, 49, 2441-2448.	1.3	40
45	Testicular biodistribution of 450nm fluorescent latex particles after intramuscular injection in mice. <i>Biomedical Microdevices</i> , 2013, 15, 427-436.	1.4	7
46	New insight into artifactual phenomena during in vitro toxicity assessment of engineered nanoparticles: Study of TNF- α adsorption on alumina oxide nanoparticle. <i>Toxicology in Vitro</i> , 2013, 27, 1049-1056.	1.1	11
47	Tumor suppressor activity of the ERK/MAPK pathway by promoting selective protein degradation. <i>Genes and Development</i> , 2013, 27, 900-915.	2.7	158
48	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> , 2012, 14, 1.	0.8	29
49	Quantitative cellular uptake of double fluorescent core-shelled model submicronic particles. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	5
50	Size of submicrometric and nanometric particles affect cellular uptake and biological activity of macrophages in vitro. <i>Inhalation Toxicology</i> , 2012, 24, 580-588.	0.8	33
51	Abstract 4166: Tumor suppressor activity of the ERK/MAPK pathway by promoting selective protein degradation. , 2012, , .		0
52	Chemotherapy and Cryosurgery. , 2012, , 281-291.		0
53	Impact of acoustic airflow nebulization on intrasinus drug deposition of a human plastinated nasal cast: New insights into the mechanisms involved. <i>International Journal of Pharmaceutics</i> , 2011, 421, 63-71.	2.6	35
54	I κ B Kinase- β (IKK β /IKKi/I κ BK β) expression and localization in prostate cancer tissues. <i>Prostate</i> , 2011, 71, 1131-1138.		18

#	ARTICLE	IF	CITATIONS
55	Abstract 1061: Context dependent tumor suppressor activity of the ERK pathway explains its inverse correlation with malignancy in prostate neoplasms. , 2011, , .		0
56	Quantification of microsized fluorescent particles phagocytosis to a better knowledge of toxicity mechanisms. Inhalation Toxicology, 2010, 22, 1091-1100.	0.8	26
57	Optimisation and molecular signalling of apoptosis in sequential cryotherapy and chemotherapy combination in human A549 lung cancer xenografts in SCID mice. British Journal of Cancer, 2009, 100, 1896-1902.	2.9	19
58	Sequestration of Rb/E2F complex into PML-NBs provides a distinct mechanism to control the expression of E2F target genes. Cytokine, 2009, 48, 89.	1.4	0
59	Benefit of a combined treatment of cryotherapy and chemotherapy on tumour growth and late cryo-induced angiogenesis in a non-small-cell lung cancer model. Lung Cancer, 2006, 54, 79-86.	0.9	45
60	Effects of cryotherapy or chemotherapy on apoptosis in a non-small-cell lung cancer xenografted into SCID mice. Cryobiology, 2005, 50, 29-37.	0.3	61
61	In vivo cryochemotherapy of a human lung cancer model. Cryobiology, 2005, 51, 92-101.	0.3	27
62	Characterization of the focal adhesion complex in human non-small cell lung cancer cell lines. Anticancer Research, 2005, 25, 4135-9.	0.5	7