

Suresh K Verma

List of Publications by Year in descending order

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46
papers

1,453
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279701

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docs citations

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times ranked

1443
citing authors

#	ARTICLE	IF	CITATIONS
1	The Hha ^{II} -TomB toxin ^{II} antitoxin module in <i>Salmonella enterica</i> serovar Typhimurium limits its intracellular survival profile and regulates host immune response. <i>Cell Biology and Toxicology</i> , 2022, 38, 111-127.	2.4	10
2	Molecular nanoinformatics approach assessing the biocompatibility of biogenic silver nanoparticles with channelized intrinsic steatosis and apoptosis. <i>Green Chemistry</i> , 2022, 24, 1190-1210.	4.6	23
3	Aurora Borealis in dentistry: The applications of cold plasma in biomedicine. <i>Materials Today Bio</i> , 2022, 13, 100200.	2.6	29
4	Hydroxylated \hat{I}^2 - and \hat{I}^1 -Hexachlorocyclohexane metabolites infer influential intrinsic atomic pathways interaction to elicit oxidative stress-induced apoptosis for bio-toxicity. <i>Environmental Research</i> , 2022, 212, 113496.	3.7	5
5	Facile green bio-fabricated silver nanoparticles from <i>Microchaete</i> infer dose-dependent antioxidant and anti-proliferative activity to mediate cellular apoptosis. <i>Bioorganic Chemistry</i> , 2021, 107, 104535.	2.0	30
6	Determining factors for the nano-biocompatibility of cobalt oxide nanoparticles: proximal discrepancy in intrinsic atomic interactions at differential vicinage. <i>Green Chemistry</i> , 2021, 23, 3439-3458.	4.6	38
7	Intrinsic atomic interaction at molecular proximal vicinity infer cellular biocompatibility of antibacterial nanopopper. <i>Nanomedicine</i> , 2021, 16, 307-322.	1.7	9
8	Cellular Investigations on Mechanistic Biocompatibility of Green Synthesized Calcium Oxide Nanoparticles with <i>Danio rerio</i> . <i>Journal of Nanotheranostics</i> , 2021, 2, 51-62.	1.7	19
9	Zebrafish (<i>Danio rerio</i>) as an ecotoxicological model for Nanomaterial induced toxicity profiling. <i>Precision Nanomedicine</i> , 2021, 4, .	0.4	23
10	Antibacterial efficacy of facile cyanobacterial silver nanoparticles inferred by antioxidant mechanism. <i>Materials Science and Engineering C</i> , 2021, 122, 111888.	3.8	43
11	The viral capsid as novel nanomaterials for drug delivery. <i>Future Science OA</i> , 2021, 7, FSO744.	0.9	14
12	Nanoparticle ^{II} biological interactions: the renaissance of bionomics in the myriad nanomedical technologies. <i>Nanomedicine</i> , 2021, 16, 2249-2254.	1.7	13
13	Altered electrochemical properties of iron oxide nanoparticles by carbon enhance molecular biocompatibility through discrepant atomic interaction. <i>Materials Today Bio</i> , 2021, 12, 100131.	2.6	6
14	Molecular toxicity of Benzo(a)pyrene mediated by elicited oxidative stress infer skeletal deformities and apoptosis in embryonic zebrafish. <i>Science of the Total Environment</i> , 2021, 789, 147989.	3.9	28
15	Green Synthesized Metal Oxide Nanomaterials Photocatalysis in Combating Bacterial Infection. <i>Environmental Chemistry for A Sustainable World</i> , 2020, , 73-86.	0.3	4
16	Green synthesized MgO nanoparticles infer biocompatibility by reducing in vivo molecular nanotoxicity in embryonic zebrafish through arginine interaction elicited apoptosis. <i>Science of the Total Environment</i> , 2020, 713, 136521.	3.9	63
17	Controlled nano-particle dyeing of cotton can ensure low cytotoxicity risk with multi-functional property enhancement. <i>Materials Today Chemistry</i> , 2020, 17, 100345.	1.7	4
18	Response surface methodology based optimization and scale-up production of amylase from a novel bacterial strain, <i>Bacillus aryabhatai</i> KIIT BE-1. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2020, 27, e00506.	2.1	20

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19	Molecular intrinsic proximal interaction infer oxidative stress and apoptosis modulated in vivo biocompatibility of P.niruri contrived antibacterial iron oxide nanoparticles with zebrafish. Environmental Pollution, 2020, 267, 115482.	3.7	41
20	Structure-based drug designing and immunoinformatics approach for SARS-CoV-2. Science Advances, 2020, 6, eabb8097.	4.7	138
21	Oxidative stress induced antimicrobial efficacy of chitosan and silver nanoparticles coated Gutta-percha for endodontic applications. Materials Today Chemistry, 2020, 17, 100299.	1.7	19
22	Selective in vivo molecular and cellular biocompatibility of black peppercorns by piperine-protein intrinsic atomic interaction with elicited oxidative stress and apoptosis in zebrafish eleuthero embryos. Ecotoxicology and Environmental Safety, 2020, 192, 110321.	2.9	20
23	Landscape of ROD9 Island: Functional annotations and biological network of hypothetical proteins in Salmonella enterica. Computational Biology and Chemistry, 2019, 83, 107110.	1.1	1
24	Facile synthesized novel hybrid graphene oxide/cobalt ferrite magnetic nanoparticles based surface coating material inhibit bacterial secretion pathway for antibacterial effect. Materials Science and Engineering C, 2019, 104, 109932.	3.8	52
25	Biological Effects of Green-Synthesized Metal Nanoparticles: A Mechanistic View of Antibacterial Activity and Cytotoxicity. Environmental Chemistry for A Sustainable World, 2019, , 145-171.	0.3	20
26	Intrinsic molecular insights to enhancement of biogas production from kitchen refuse using alkaline-microwave pretreatment. Scientific Reports, 2019, 9, 5968.	1.6	11
27	Altered electrical properties with controlled copper doping in ZnO nanoparticles infers their cytotoxicity in macrophages by ROS induction and apoptosis. Chemico-Biological Interactions, 2019, 297, 141-154.	1.7	38
28	Molecular aspect of phytofabrication of gold nanoparticle from Andrographis peniculata photosystem II and their in vivo biological effect on embryonic zebrafish (Danio rerio). Environmental Nanotechnology, Monitoring and Management, 2019, 11, 100201.	1.7	15
29	Mechanistic Insight into Size-Dependent Enhanced Cytotoxicity of Industrial Antibacterial Titanium Oxide Nanoparticles on Colon Cells Because of Reactive Oxygen Species Quenching and Neutral Lipid Alteration. ACS Omega, 2018, 3, 1244-1262.	1.6	46
30	Mechanistic insight into ROS and neutral lipid alteration induced toxicity in the human model with fins (Danio rerio) by industrially synthesized titanium dioxide nanoparticles. Toxicology Research, 2018, 7, 244-257.	0.9	47
31	Molecular aspect of silver nanoparticles regulated embryonic development in Zebrafish (Danio rerio) by Oct-4 expression. Chemosphere, 2018, 206, 560-567.	4.2	26
32	Rapid Novel Facile Biosynthesized Silver Nanoparticles From Bacterial Release Induce Biogenicity and Concentration Dependent In Vivo Cytotoxicity With Embryonic Zebrafish – A Mechanistic Insight. Toxicological Sciences, 2018, 161, 125-138.	1.4	50
33	Molecular aspects of core-shell intrinsic defect induced enhanced antibacterial activity of ZnO nanocrystals. Nanomedicine, 2018, 13, 43-68.	1.7	82
34	Molecular insight to influential role of Hha – TomB toxin – antitoxin system for antibacterial activity of biogenic silver nanoparticles. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 572-584.	1.9	30
35	Molecular investigation to RNA and protein based interaction induced in vivo biocompatibility of phytofabricated AuNP with embryonic zebrafish. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 671-684.	1.9	34
36	Molecular insight to in vitro biocompatibility of phytofabricated copper oxide nanoparticles with human embryonic kidney cells. Nanomedicine, 2018, 13, 2415-2433.	1.7	38

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37	In Vivo Molecular Toxicity Profile of Dental Bioceramics in Embryonic Zebrafish (<i>Danio rerio</i>). Chemical Research in Toxicology, 2018, 31, 914-923.	1.7	24
38	Molecular insights to alkaline based bio-fabrication of silver nanoparticles for inverse cytotoxicity and enhanced antibacterial activity. Materials Science and Engineering C, 2018, 92, 807-818.	3.8	50
39	Molecular insight to size and dose-dependent cellular toxicity exhibited by a green synthesized bioceramic nanohybrid with macrophages for dental applications. Toxicology Research, 2018, 7, 959-969.	0.9	15
40	Altered physicochemical properties in industrially synthesized ZnO nanoparticles regulate oxidative stress; induce in vivo cytotoxicity in embryonic zebrafish by apoptosis. Scientific Reports, 2017, 7, 13909.	1.6	71
41	Mechanistic insight into the rapid one-step facile biofabrication of antibacterial silver nanoparticles from bacterial release and their biogenicity and concentration-dependent in vitro cytotoxicity to colon cells. RSC Advances, 2017, 7, 40034-40045.	1.7	62
42	In vivo assessment of impact of titanium oxide nanoparticle on zebrafish embryo. AIP Conference Proceedings, 2017, , .	0.3	7
43	Mechanistic insight to ROS and Apoptosis regulated cytotoxicity inferred by Green synthesized CuO nanoparticles from <i>Calotropis gigantea</i> to Embryonic Zebrafish. Scientific Reports, 2017, 7, 16284.	1.6	99
44	Synthesis and characterization of novel polymer-hybrid silver nanoparticles and its biomedical study. Materials Today: Proceedings, 2016, 3, 1949-1957.	0.9	17
45	Nanotoxicity of Rare Earth Metal Oxide Anchored Graphene Nanohybrid: A Facile Synthesis and In Vitro Cellular Response Studies. Nano, 2015, 10, 1550091.	0.5	6
46	Cellular and Molecular Impact of Green Synthesized Silver Nanoparticles. , 0, , .		6