

# Naresh Kumar

## List of Publications by Year in descending order

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Version: 2024-02-01

56  
papers

3,408  
citations

147566

31  
h-index

149479

56  
g-index

59  
all docs

59  
docs citations

59  
times ranked

5264  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulating the Antioxidant Response for Better Oxidative Stress-Inducing Therapies: How to Take Advantage of Two Sides of the Same Medal?. <i>Biomedicines</i> , 2022, 10, 823.	1.4	9
2	Ligand-Induced U Mobilization from Chemogenic Uraninite and Biogenic Noncrystalline U(IV) under Anoxic Conditions. <i>Environmental Science &amp; Technology</i> , 2022, 56, 6369-6379.	4.6	8
3	Oxidative dissolution of orpiment and realgar induced by dissolved and solid Mn(III) species. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 332, 307-326.	1.6	5
4	Call for Papers for the Environmental Redox Processes and Contaminant and Nutrient Dynamics Special Issue. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 1688-1688.	1.2	0
5	Physical plasma-derived oxidants sensitize pancreatic cancer cells to ferroptotic cell death. <i>Free Radical Biology and Medicine</i> , 2021, 166, 187-200.	1.3	24
6	Cold Atmospheric Plasma Increases Temozolomide Sensitivity of Three-Dimensional Glioblastoma Spheroids via Oxidative Stress-Mediated DNA Damage. <i>Cancers</i> , 2021, 13, 1780.	1.7	28
7	Reply to the Comment on "FeS colloids" formation and mobilization pathways in natural waters" by S. Peiffer, DOEN00967A. <i>Environmental Science: Nano</i> , 2021, 8, 1817-1821.	2.2	1
8	Enhanced chromium(VI) treatment in electroactive constructed wetlands: Influence of conductive material. <i>Journal of Hazardous Materials</i> , 2020, 387, 121722.	6.5	35
9	Redox Heterogeneities Promote Thioarsenate Formation and Release into Groundwater from Low Arsenic Sediments. <i>Environmental Science &amp; Technology</i> , 2020, 54, 3237-3244.	4.6	36
10	Remediation of fluoride contaminated water using encapsulated active growing blue-green algae, <i>Phormidium</i> sp.. <i>Environmental Technology and Innovation</i> , 2020, 19, 100855.	3.0	10
11	FeS colloids " formation and mobilization pathways in natural waters. <i>Environmental Science: Nano</i> , 2020, 7, 2102-2116.	2.2	13
12	Synergistic Effects of Melittin and Plasma Treatment: A Promising Approach for Cancer Therapy. <i>Cancers</i> , 2019, 11, 1109.	1.7	46
13	Antimonite Binding to Natural Organic Matter: Spectroscopic Evidence from a Mine Water Impacted Peatland. <i>Environmental Science &amp; Technology</i> , 2019, 53, 10792-10802.	4.6	36
14	Antimonite Complexation with Thiol and Carboxyl/Phenol Groups of Peat Organic Matter. <i>Environmental Science &amp; Technology</i> , 2019, 53, 5005-5015.	4.6	34
15	Effects of a Non-Thermal Atmospheric Pressure Plasma Jet with Different Gas Sources and Modes of Treatment on the Fate of Human Mesenchymal Stem Cells. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4819.	1.3	3
16	Enhancement of cellular glucose uptake by reactive species: a promising approach for diabetes therapy. <i>RSC Advances</i> , 2018, 8, 9887-9894.	1.7	12
17	Sulfidation mechanisms of Fe( $\text{Fe}(\text{OH})_3$ )-(oxyhydr)oxide nanoparticles: a spectroscopic study. <i>Environmental Science: Nano</i> , 2018, 5, 1012-1026.	2.2	43
18	Molecular Insights into the Interaction of RONS and Thieno[3,2-c]pyran Analogs with SIRT6/COX-2: A Molecular Dynamics Study. <i>Scientific Reports</i> , 2018, 8, 4777.	1.6	57

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19	Bacterial inactivation by plasma treated water enhanced by reactive nitrogen species. <i>Scientific Reports</i> , 2018, 8, 11268.	1.6	101
20	The effect of reactive oxygen and nitrogen species on the structure of cytoglobin: A potential tumor suppressor. <i>Redox Biology</i> , 2018, 19, 1-10.	3.9	31
21	Inactivation of human pancreatic ductal adenocarcinoma with atmospheric plasma treated media and water: a comparative study. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 255401.	1.3	27
22	Enhanced transportability of zero valent iron nanoparticles in aquifer sediments: surface modifications, reactivity, and particle traveling distances. <i>Environmental Science and Pollution Research</i> , 2017, 24, 9269-9277.	2.7	22
23	Cellulose nanocrystal zero-valent iron nanocomposites for groundwater remediation. <i>Environmental Science: Nano</i> , 2017, 4, 1294-1303.	2.2	43
24	Partitioning of uranyl between ferrihydrite and humic substances at acidic and circum-neutral pH. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 215, 122-140.	1.6	31
25	Performance assessment of aeration and radial oxygen loss assisted cathode based integrated constructed wetland-microbial fuel cell systems. <i>Bioresource Technology</i> , 2017, 244, 1178-1182.	4.8	99
26	Interaction studies of carbon nanomaterials and plasma activated carbon nanomaterials solution with telomere binding protein. <i>Scientific Reports</i> , 2017, 7, 2636.	1.6	17
27	Influence of Nitric Oxide generated through microwave plasma on L6 skeletal muscle cell myogenesis via oxidative signaling pathways. <i>Scientific Reports</i> , 2017, 7, 542.	1.6	12
28	Triethylammonium acetate ionic liquid assisted one-pot synthesis of dihydropyrimidinones and evaluation of their antioxidant and antibacterial activities. <i>Arabian Journal of Chemistry</i> , 2017, 10, 206-214.	2.3	61
29	Biogeochemical Controls on the Release and Accumulation of Mn and As in Shallow Aquifers, West Bengal, India. <i>Frontiers in Environmental Science</i> , 2017, 5, .	1.5	40
30	Influence of plasma-activated compounds on melanogenesis and tyrosinase activity. <i>Scientific Reports</i> , 2016, 6, 21779.	1.6	35
31	New arylated benzo[h]quinolines induce anti-cancer activity by oxidative stress-mediated DNA damage. <i>Scientific Reports</i> , 2016, 6, 38128.	1.6	54
32	Microbial Sulfate Reduction Enhances Arsenic Mobility Downstream of Zerovalent-Iron-Based Permeable Reactive Barrier. <i>Environmental Science &amp; Technology</i> , 2016, 50, 7610-7617.	4.6	63
33	The action of microsecond-pulsed plasma-activated media on the inactivation of human lung cancer cells. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 115401.	1.3	74
34	Microbial and mineral evolution in zero valent iron-based permeable reactive barriers during long-term operations. <i>Environmental Science and Pollution Research</i> , 2016, 23, 5960-5968.	2.7	26
35	A comparative study for the inactivation of multidrug resistance bacteria using dielectric barrier discharge and nano-second pulsed plasma. <i>Scientific Reports</i> , 2015, 5, 13849.	1.6	73
36	Production of nitric oxide using a microwave plasma torch and its application to fungal cell differentiation. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 195401.	1.3	13

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37	Effect of nanosecond-pulsed plasma on the structural modification of biomolecules. RSC Advances, 2015, 5, 47300-47308.	1.7	13
38	Induced apoptosis in melanocytes cancer cell and oxidation in biomolecules through deuterium oxide generated from atmospheric pressure non-thermal plasma jet. Scientific Reports, 2015, 4, 7589.	1.6	65
39	Influence of water vapour with non-thermal plasma jet on the apoptosis of SK-BR-3 breast cancer cells. RSC Advances, 2015, 5, 14670-14677.	1.7	30
40	Influence of reactive species on the modification of biomolecules generated from the soft plasma. Scientific Reports, 2015, 5, 8221.	1.6	100
41	Synergistic effects of sulfate reducing bacteria and zero valent iron on zinc removal and stability in aquifer sediment. Chemical Engineering Journal, 2015, 260, 83-89.	6.6	67
42	Molecular Insights of Oxidation Process of Iron Nanoparticles: Spectroscopic, Magnetic, and Microscopic Evidence. Environmental Science & Technology, 2014, 48, 13888-13894.	4.6	97
43	Dielectric Barrier Discharge Plasma Efficiently Delivers an Apoptotic Response in Human Monocytic Lymphoma. Plasma Processes and Polymers, 2014, 11, 1175-1187.	1.6	65
44	Assessment of potential positive effects of nZVI surface modification and concentration levels on TCE dechlorination in the presence of competing strong oxidants, using an experimental design. Science of the Total Environment, 2014, 481, 335-342.	3.9	40
45	Inhibition of sulfate reducing bacteria in aquifer sediment by iron nanoparticles. Water Research, 2014, 51, 64-72.	5.3	96
46	Influence of nanosecond pulsed plasma on the non-enzymatic pathway for the generation of nitric oxide from L-arginine and the modification of graphite oxide to increase the solar cell efficiency. Physical Chemistry Chemical Physics, 2014, 16, 18375.	1.3	7
47	Molecular interactions between carbon nanotubes and ammonium ionic liquids and their catalysis properties. Materials Research Bulletin, 2014, 58, 6-9.	2.7	9
48	Modeling and optimization of dye removal using "green" clay supported iron nano-particles. Ecological Engineering, 2013, 61, 366-370.	1.6	53
49	Enhancement of glucose uptake in skeletal muscle L6 cells and insulin secretion in pancreatic hamster-insulinoma-transfected cells by application of non-thermal plasma jet. Applied Physics Letters, 2013, 103, 203701.	1.5	13
50	Sulfur and oxygen isotope tracing in zero valent iron based In situ remediation system for metal contaminants. Chemosphere, 2013, 90, 1366-1371.	4.2	18
51	Biomedical Importance of Indoles. Molecules, 2013, 18, 6620-6662.	1.7	927
52	The removal of heavy metals in wetland microcosms: Effects of bed depth, plant species, and metal mobility. Chemical Engineering Journal, 2012, 211-212, 501-507.	6.6	88
53	Removal of chromium and nickel from aqueous solution in constructed wetland: Mass balance, adsorption-desorption and FTIR study. Chemical Engineering Journal, 2010, 160, 122-128.	6.6	105
54	Response surface methodology approach for optimization of biosorption process for removal of Cr (VI), Ni (II) and Zn (II) ions by immobilized bacterial biomass sp. Bacillus brevis. Chemical Engineering Journal, 2009, 146, 401-407.	6.6	116

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55	In vitro and in vivo antimicrobial activities of seeds of <i>Caesalpinia bonduc</i> (Lin.) Roxb.. <i>Journal of Ethnopharmacology</i> , 2009, 123, 177-180.	2.0	29
56	Natural products as antifungal agents derived from plants. <i>Journal of Asian Natural Products Research</i> , 2009, 11, 621-638.	0.7	244