

Navin Chandra Kothiyal

List of Publications by Year in descending order

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33
papers

1,469
citations

318942

23
h-index

466096

32
g-index

34
all docs

34
docs citations

34
times ranked

1733
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasonic and superplasticizer assisted dispersion of hybrid carbon nanomaterials (FCNT and GO): its effect on early stage hydration and physico-mechanical strength of cement mortar. <i>Journal of Adhesion Science and Technology</i> , 2020, 34, 192-218.	1.4	13
2	Positive synergistic effect of superplasticizer stabilized graphene oxide and functionalized carbon nanotubes as a 3-D hybrid reinforcing phase on the mechanical properties and pore structure refinement of cement nanocomposites. <i>Construction and Building Materials</i> , 2019, 222, 358-370.	3.2	38
3	Comparative effects of sterically stabilized functionalized carbon nanotubes and graphene oxide as reinforcing agent on physico-mechanical properties and electrical resistivity of cement nanocomposites. <i>Construction and Building Materials</i> , 2019, 202, 121-138.	3.2	52
4	Graphene oxide prepared from mechanically milled graphite: Effect on strength of novel fly-ash based cementitious matrix. <i>Construction and Building Materials</i> , 2018, 177, 10-22.	3.2	54
5	Experimental and Theoretical Studies of Charge Transfer Complex Formed Between the Antibiotic Drug Norfloxacin with Picric Acid: Density Functional Theory Approach. <i>Journal of Biobased Materials and Bioenergy</i> , 2018, 12, 203-210.	0.1	2
6	A preliminary effort to reduce carcinogenic polycyclic aromatic hydrocarbons from diesel exhaust by using different blends of diesel and synthesized Biodiesel. <i>Global Nest Journal</i> , 2018, 20, 389-398.	0.3	1
7	Enhanced mechanical performance of cement nanocomposite reinforced with graphene oxide synthesized from mechanically milled graphite and its comparison with carbon nanotubes reinforced nanocomposite. <i>RSC Advances</i> , 2016, 6, 103993-104009.	1.7	28
8	Facile growth of carbon nanotubes coated with carbon nanoparticles: A potential low-cost hybrid nanoadditive for improved mechanical, electrical, microstructural and crystalline properties of cement mortar matrix. <i>Construction and Building Materials</i> , 2016, 123, 829-846.	3.2	21
9	Comparative effects of pristine and ball-milled graphene oxide on physico-chemical characteristics of cement mortar nanocomposites. <i>Construction and Building Materials</i> , 2016, 115, 256-268.	3.2	96
10	Fabrication of chitosan-g-poly(acrylamide)/Cu nanocomposite for the removal of Pb(II) from aqueous solutions. <i>Journal of Molecular Liquids</i> , 2016, 224, 1319-1325.	2.3	26
11	Preparation of a novel chitosan-g-poly(acrylamide)/Zn nanocomposite hydrogel and its applications for controlled drug delivery of ofloxacin. <i>International Journal of Biological Macromolecules</i> , 2016, 84, 340-348.	3.6	100
12	Characterization of reactive graphene oxide synthesized from ball milled graphite: its enhanced reinforcing effects on cement nanocomposites. <i>Journal of Adhesion Science and Technology</i> , 2016, 30, 915-933.	1.4	36
13	Analysis of Polycyclic Aromatic Hydrocarbon, Toxic Equivalency Factor and Related Carcinogenic Potencies in Roadside Soil within a Developing City of Northern India. <i>Polycyclic Aromatic Compounds</i> , 2016, 36, 506-526.	1.4	26
14	Synergistic effect of zero-dimensional spherical carbon nanoparticles and one-dimensional carbon nanotubes on properties of cement-based ceramic matrix: microstructural perspectives and crystallization investigations. <i>Composite Interfaces</i> , 2015, 22, 899-921.	1.3	28
15	Synthesis of chitosan-g-poly(acrylamide)/ZnS nanocomposite for controlled drug delivery and antimicrobial activity. <i>International Journal of Biological Macromolecules</i> , 2015, 74, 547-557.	3.6	45
16	Influence of graphene oxide as dispersed phase in cement mortar matrix in defining the crystal patterns of cement hydrates and its effect on mechanical, microstructural and crystallization properties. <i>RSC Advances</i> , 2015, 5, 52642-52657.	1.7	136
17	Use of cellulose acetate-tin (IV) phosphate composite (CA/TPC) in highly effective removal and recovery of heavy metal ions. <i>International Journal of Industrial Chemistry</i> , 2015, 6, 43-58.	3.1	7
18	An investigation of catalytic hydrocracking of high FFA vegetable oils to liquid hydrocarbons using biomass derived heterogeneous catalysts. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015, 115, 401-409.	2.6	26

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19	Nanocomposite pectin Zr(IV) selenotungstophosphate for adsorptional/photocatalytic remediation of methylene blue and malachite green dyes from aqueous system. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 21, 957-964.	2.9	73
20	True boiling point distillation and product quality assessment of biocrude obtained from <i>Mesua ferrea</i> L. seed oil via hydroprocessing. <i>Clean Technologies and Environmental Policy</i> , 2015, 17, 175-185.	2.1	23
21	Studies on carcinogenic PAHs emission generated by vehicles and its correlation to fuel and engine types. <i>Polish Journal of Chemical Technology</i> , 2014, 16, 48-58.	0.3	6
22	Fabrication, characterization and antimicrobial activity of polyaniline Th(IV) tungstomolybdophosphate nanocomposite material: Efficient removal of toxic metal ions from water. <i>Chemical Engineering Journal</i> , 2014, 251, 413-421.	6.6	214
23	Environmental fate and behavior of some PAHs at roadside ambient air in a fast developing city environment of northern India. <i>Journal of the Chinese Advanced Materials Society</i> , 2014, 2, 82-98.	0.7	7
24	Polyaniline zirconium (IV) silicophosphate nanocomposite for remediation of methylene blue dye from waste water. <i>Journal of Molecular Liquids</i> , 2014, 190, 139-145.	2.3	101
25	Determination of some carcinogenic PAHs with toxic equivalency factor along roadside soil within a fast developing northern city of India. <i>Journal of Earth System Science</i> , 2014, 123, 479-489.	0.6	32
26	Fabrication of nanocomposite polyaniline zirconium(IV) silicophosphate for photocatalytic and antimicrobial activity. <i>Journal of Alloys and Compounds</i> , 2014, 588, 668-675.	2.8	62
27	Use of activated dry flowers (ADF) of <i>Alstonia Scholaris</i> for chromium (VI) removal: equilibrium, kinetics and thermodynamics studies. <i>Environmental Science and Pollution Research</i> , 2013, 20, 8986-8995.	2.7	8
28	Use of pectinâ€“thorium (IV) tungstomolybdate nanocomposite for photocatalytic degradation of methylene blue. <i>Carbohydrate Polymers</i> , 2013, 96, 277-283.	5.1	95
29	Characterization of Municipal Solid Waste in Jalandhar City, Punjab, India. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2013, 17, 97-106.	1.2	42
30	Stabilisation of municipal solid waste in bioreactor landfills - an overview. <i>International Journal of Environment and Pollution</i> , 2013, 51, 57.	0.2	6
31	Moisture Flow in Landfill Simulating Bioreactors Containing Municipal Solid Waste. <i>Journal of Solid Waste Technology and Management</i> , 2013, 39, 173-181.	0.2	0
32	Distribution behavior and carcinogenic level of some polycyclic aromatic hydrocarbons in roadside soil at major traffic intercepts within a developing city of India. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 6239-6252.	1.3	30
33	Distribution behavior of polycyclic aromatic hydrocarbons in roadside soil at traffic intercepts within developing cities. <i>International Journal of Environmental Science and Technology</i> , 2011, 8, 63-72.	1.8	35