

Nakshatra Singh

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

3,025
citations

201674

27
h-index

197818

49
g-index

50
all docs

50
docs citations

50
times ranked

2938
citing authors

#	ARTICLE	IF	CITATIONS
1	Calcium sulphate hemihydrate hydration leading to gypsum crystallization. Progress in Crystal Growth and Characterization of Materials, 2007, 53, 57-77.	4.0	397
2	Geopolymers as an alternative to Portland cement: An overview. Construction and Building Materials, 2020, 237, 117455.	7.2	336
3	Effect of silica fume on the mechanical properties of fly ash based-geopolymer concrete. Ceramics International, 2016, 42, 3000-3006.	4.8	221
4	Durability of fly ash based geopolymer concrete in the presence of silica fume. Journal of Cleaner Production, 2017, 149, 1062-1067.	9.3	197
5	Water purification by polymer nanocomposites: an overview. Nanocomposites, 2017, 3, 47-66.	4.2	194
6	Hydration of bagasse ash-blended portland cement. Cement and Concrete Research, 2000, 30, 1485-1488.	11.0	177
7	Fly Ash-Based Geopolymer Binder: A Future Construction Material. Minerals (Basel, Switzerland), 2018, 8, 299.	2.0	137
8	Mechanical properties of alkali activated flyash/Kaolin based geopolymer concrete. Construction and Building Materials, 2015, 98, 685-691.	7.2	126
9	Organic solid state reactivity. Tetrahedron, 1994, 50, 6441-6493.	1.9	82
10	Nanoscience of Cement and Concrete. Materials Today: Proceedings, 2017, 4, 5478-5487.	1.8	71
11	Multifunctional and fluorine-free superhydrophobic composite coating based on PDMS modified MWCNTs/ZnO with self-cleaning, oil-water separation, and flame retardant properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 597, 124776.	4.7	70
12	Potential production of bioenergy from biomass in an Indian perspective. Renewable and Sustainable Energy Reviews, 2014, 39, 65-78.	16.4	62
13	Effect of citric acid on the hydration of portland cement. Cement and Concrete Research, 1986, 16, 911-920.	11.0	50
14	Hydrothermal synthesis of β -dicalcium silicate (β -Ca ₂ SiO ₄). Progress in Crystal Growth and Characterization of Materials, 2006, 52, 77-83.	4.0	49
15	Effect of nanomaterials on the properties of geopolymer mortars and concrete. Materials Today: Proceedings, 2018, 5, 9035-9040.	1.8	48
16	Formation of copper oxide through NaNO ₃ –KNO ₃ eutectic melt and its catalytic activity in the decomposition of ammonium perchlorate. Thermochimica Acta, 2002, 390, 67-72.	2.7	45
17	Fire Resistant Properties of Alumino Silicate Geopolymer cement Mortars. Materials Today: Proceedings, 2017, 4, 5605-5612.	1.8	45
18	Effect of lignosulfonate, calcium chloride and their mixture on the hydration of RHA-blended portland cement. Cement and Concrete Research, 2002, 32, 387-392.	11.0	44

#	ARTICLE	IF	CITATIONS
19	Effect of gluconates on the hydration of cement. Cement and Concrete Research, 1976, 6, 455-460.	11.0	42
20	Computer simulation, thermodynamic and microstructural studies of benzamide–benzoic acid eutectic system. Journal of Crystal Growth, 2008, 310, 2878-2884.	1.5	36
21	Preparation, Characterization, Properties and Applications of nano Zinc Ferrite. Materials Today: Proceedings, 2018, 5, 9148-9155.	1.8	35
22	Fly ash/Kaolin based geopolymer green concretes and their mechanical properties. Data in Brief, 2015, 5, 739-744.	1.0	34
23	Effect of lactic acid on the hydration of portland cement. Cement and Concrete Research, 1986, 16, 545-553.	11.0	33
24	Recent developments in conducting polymer based composites for sensing devices. Materials Today: Proceedings, 2017, 4, 5672-5681.	1.8	33
25	Organic solid-state reactions. Journal of Solid State Chemistry, 1977, 20, 191-200.	2.9	32
26	Effect of superplasticizers on the hydration of cement. Cement and Concrete Research, 1992, 22, 725-735.	11.0	31
27	Fast ion conducting phosphate glasses and glass ceramic composites: Promising materials for solid state batteries. Journal of Non-Crystalline Solids, 2012, 358, 2841-2846.	3.1	29
28	Preparation and characterization of zinc ferrite–Polyaniline nanocomposite for removal of rhodamine B dye from aqueous solution. Environmental Nanotechnology, Monitoring and Management, 2018, 9, 154-163.	2.9	29
29	Nanoparticles as feed supplement on Growth behaviour of Cultured Catfish (Clarias gariepinus) fingerlings. Materials Today: Proceedings, 2018, 5, 9076-9081.	1.8	27
30	Nanocomposites: an overview. Emerging Materials Research, 2016, 5, 5-43.	0.7	26
31	Removal of toxic hexavalent chromium from aqueous solution by nickel ferrite-polyaniline nanocomposite. Desalination and Water Treatment, 2016, 57, 17757-17766.	1.0	24
32	Effect of calcium formate on the hydration of tricalcium silicate. Cement and Concrete Research, 1983, 13, 619-625.	11.0	22
33	Phase equilibria and molecular interaction studies on (naphthols+vanillin) systems. Journal of Chemical Thermodynamics, 2012, 48, 291-299.	2.0	22
34	Solidification Behavior of the Benzamide + O-Chlorobenzoic Acid Eutectic System. Journal of Chemical & Engineering Data, 2009, 54, 1529-1536.	1.9	20
35	Green Synthesis and Applications of Nanomaterials. Current Pharmaceutical Biotechnology, 2021, 22, 1705-1747.	1.6	20
36	Highly Reactive β -Dicalcium Silicate. Journal of the American Ceramic Society, 2002, 85, 2171-2176.	3.8	19

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37	Hydration of multicomponent composite cement: OPC-FA-SF-MK. Construction and Building Materials, 2012, 36, 681-686.	7.2	19
38	Examination of Portland cement paste hydrated in the presence of malic acid. Cement and Concrete Research, 2004, 34, 455-462.	11.0	18
39	Phase equilibria and solidification behaviour in the vanillinâ€p-anisidine system. Journal of Crystal Growth, 2008, 311, 118-122.	1.5	18
40	Portland cement hydration in the presence of admixtures: black gram pulse and superplasticizer. Materials Research, 2008, 11, 427-431.	1.3	16
41	Influence of calcium gluconate with calcium chloride or glucose on the hydration of cements. Cement and Concrete Research, 1975, 5, 545-550.	11.0	14
42	Influence of alkali solutions on properties of pond fly ash-based geopolymer mortar cured under different conditions. Advances in Cement Research, 2018, 30, 1-7.	1.6	14
43	Effect of alkali bypass dust on the hydration of granulated blast furnace slag blended cement. Cement and Concrete Research, 1995, 25, 883-892.	11.0	13
44	Combined effect of sodium sulphate and superplasticizer on the hydration of fly ash blended Portland® cement. Materials Research, 2010, 13, 177-183.	1.3	12
45	Phase Equilibria, Crystallization, and Microstructural Studies of Naphthalen-2-ol + 1,3-Dinitrobenzene. Journal of Chemical & Engineering Data, 2010, 55, 4206-4210.	1.9	12
46	Applications of Green Synthesized Nanomaterials in Water Remediation. Current Pharmaceutical Biotechnology, 2021, 22, 733-761.	1.6	9
47	Hydration of portland blended cements. Cement and Concrete Research, 1995, 25, 1023-1030.	11.0	7
48	Zinc ferriteâ€PVA nanocomposite and removal of chromium from aqueous solution. Emerging Materials Research, 2014, 3, 222-229.	0.7	7
49	Tin Doped Barium Titanate (BaTiO3) Synthesized through Molten Salt Method as Promising Dielectric Material. Asian Journal of Chemistry, 2021, 33, 2212-2218.	0.3	1
50	Graphene Oxide-Polyaniline Coating on Ionic Polymer Blend Membrane for Actuation. Asian Journal of Chemistry, 2021, 33, 2509-2513.	0.3	0