Lok P Singh

List of Publications by Year
in descending order

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49 papers	4,675 citations	126708 33 h-index	214527 47 g-index
49 all docs	49 docs citations	49 times ranked	4124 citing authors

#	Article	IF	Citations
1	High strength sustainable concrete using silica nanoparticles. Construction and Building Materials, 2017, 138, 285-295.	3.2	67
2	Quantification and characterization of C-S-H in silica nanoparticles incorporated cementitious system. Cement and Concrete Composites, 2017, 79, 106-116.	4.6	71
3	An innovative approach to develop microporous activated carbons in oxidising atmosphere. Journal of Cleaner Production, 2017, 156, 549-555.	4.6	35
4	Lead (Pb 2+) and copper (Cu 2+) remediation from water using superparamagnetic maghemite (Î³-Fe 2 O 3) Tj ETQq0 0 0 rgBT /Overloc 2017, 492, 176-190.	5.0	128
5	Studies on optimization of silica nanoparticles dosage in cementitious system. Cement and Concrete Composites, 2016, 70, 60-68.	4.6	68
6	Studies on early stage hydration of tricalcium silicate incorporating silica nanoparticles: Part II. Construction and Building Materials, 2016, 102, 943-949.	3.2	69
7	Quantification of hydration products in cementitious materials incorporating silica nanoparticles. Frontiers of Structural and Civil Engineering, 2016, 10, 162-167.	1.2	11
8	Effect of nanosilica on chloride permeability in cement mortar. Advances in Cement Research, 2015, 27, 399-408.	0.7	10
9	Hydration Studies of Cementitious Material using Silica Nanoparticles. Journal of Advanced Concrete Technology, 2015, 13, 345-354.	0.8	41
10	Effect of Morphology and Dispersibility of Silica Nanoparticles on the Mechanical Behaviour of Cement Mortar. International Journal of Concrete Structures and Materials, 2015, 9, 207-217.	1.4	69
11	Studies on Hydration of Tricalcium Silicate Incorporating Silica Nano-particles. , 2015, , 151-159.		4
12	Studies on early stage hydration of tricalcium silicate incorporating silica nanoparticles: Part I. Construction and Building Materials, 2015, 74, 278-286.	3.2	88
13	Sol-Gel processing of silica nanoparticles and their applications. Advances in Colloid and Interface Science, 2014, 214, 17-37.	7.0	264
14	Characterization of automobile effluent treatment plant sludge: Its utilization in construction materials. Construction and Building Materials, 2014, 73, 603-609.	3.2	8
15	Cadmium (II) ion sensing through p-tert-butyl calix[6]arene based potentiometric sensor. Journal of Molecular Liquids, 2014, 195, 65-68.	2.3	251
16	Beneficial role of nanosilica in cement based materials â€“ A review. Construction and Building Materials, 2013, 47, 1069-1077.	3.2	537
17	Granulometric synthesis and characterisation of dispersed nanosilica powder and its application in cementitious system. Advances in Applied Ceramics, 2012, 111, 220-227.	0.6	13
18	Reduction of calcium leaching in cement hydration process using nanomaterials. Materials Technology, 2012, 27, 233-238.	1.5	27

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19	A novel copper (II) selective sensor based on Dimethyl 4, 4â€² (o-phenylene) bis(3-thioallophanate) in PVC matrix. Journal of Molecular Liquids, 2012, 174, 11-16.	2.3	334
20	Preparation of Size Controlled Silica Nano Particles and Its Functional Role in Cementitious System. Journal of Advanced Concrete Technology, 2012, 10, 345-352.	0.8	47
21	Anion recognition through amide-based dendritic molecule: A poly(vinyl chloride) based sensor for nitrate ion. Talanta, 2011, 85, 970-974.	2.9	22
22	Preparation of Silica Nanoparticles and its Beneficial Role in Cementitious Materials. Nanomaterials and Nanotechnology, 2011, 1, 9.	1.2	86
23	Functional role of cationic surfactant to control the nano size of silica powder. Applied Nanoscience (Switzerland), 2011, 1, 117-122.	1.6	71
24	A comparative study of Pb2+ selective sensors based on derivatized tetrapyrazole and calix[4]arene receptors. Electrochimica Acta, 2006, 51, 2547-2553.	2.6	283
25	Selective anion recognition: Charged diaza crown ethers based electrochemical sensors for chromate ions. Analytica Chimica Acta, 2005, 546, 199-205.	2.6	24
26	Anion recognition through novel C-thiophenecalix[4]resorcinarene: PVC based sensor for chromate ions. Talanta, 2005, 65, 716-721.	2.9	148
27	Chelating ionophore based membrane sensors for copper(II) ions. Talanta, 2005, 66, 1355-1361.	2.9	47
28	A copper-selective electrode based on bis(acetylacetone)propylenediimine. Talanta, 2005, 68, 193-197.	2.9	55
29	Chelating ionophores based electrochemical sensor for Hg(II) ions. Journal of Applied Electrochemistry, 2004, 34, 391-396.	1.5	18
30	Copper(II) selective electrochemical sensor based on Schiff Base complexes. Talanta, 2004, 64, 313-319.	2.9	135
31	Effect of the Ligand Structure on the Efficiency of Electron Injection from Excited Ruâ^'Phenanthroline Complexes to Nanocrystalline TiO2Films. Journal of Physical Chemistry B, 2002, 106, 374-379.	1.2	83
32	Dye Sensitization of Nanocrystalline Titanium Dioxide with Square Planar Platinum(II) Diimine Dithiolate Complexes. Inorganic Chemistry, 2001, 40, 5371-5380.	1.9	215
33	Synthesis and photophysical properties of ruthenium(II) charge transfer sensitizers containing 4,4â€²-dicarboxy-2,2â€²-biquinoline and 5,8-dicarboxy-6,7-dihydro-dibenzo[1,10]-phenanthroline. Inorganica Chimica Acta, 2001, 322, 7-16.	1.2	40
34	New platinum(II) polypyridyl photosensitizers for TiO2 solar cells. New Journal of Chemistry, 2000, 24, 343-345.	1.4	72
35	PVC-based neutral carrier and organic exchanger membranes as sensors for the determination of Ba2+ and Sr2+. Sensors and Actuators B: Chemical, 1999, 55, 201-211.	4.0	38
36	Molybdate sensor based on 5,10,15,20-tetraphenylporphyrinatocobalt complex in a PVC matrix. Analytica Chimica Acta, 1999, 379, 201-208.	2.6	29

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37	Zn2+ sensor based onZn-bis(2,4,4-trimethylpentyl)dithiophosphinicacid complex in PVC matrix. Electrochimica Acta, 1998, 43, 2047-2052.	2.6	32
38	Novel PVC-based membrane sensors selective for vanadyl ions. Talanta, 1998, 46, 1453-1460.	2.9	25
39	Efficient Photosensitization of Nanocrystalline TiO2Films by a New Class of Sensitizer: cis-Dithiocyanato bis(4,7-dicarboxy-1,10-phenanthroline)ruthenium(II). Chemistry Letters, 1998, 27, 1005-1006.	0.7	42
40	Macrocycle Based Membrane Sensors for the Determination of Cobalt(II) Ions. Analyst, The, 1997, 122, 583-586.	1.7	218
41	ANALYTICAL SELECTIVITY OF MEMBRANE ELECTRODE BASED ON SALICYLALDOXIME FORMALDEHYDE RESIN. , 1997, , 104-111.		0
42	Nickel(II)-selective sensors based on heterogeneous membranes of macrocyclic compounds. Sensors and Actuators B: Chemical, 1997, 40, 15-20.	4.0	43
43	A new membrane sensor for UO22+ ions based on 2-hydroxyacetophenoneoxime-thiourea-trioxane resin. Electroanalysis, 1997, 9, 857-860.	1.5	178
44	A new cerium(IV) vanadate-based solid membrane electrode for bismuth(III). Electroanalysis, 1997, 9, 1360-1364.	1.5	20
45	Porphyrins as carrier in PVC based membrane potentiometric sensors for nickel(II). Analytica Chimica Acta, 1997, 355, 33-41.	2.6	192
46	A solid membrane sensor for chromate ions. Sensors and Actuators B: Chemical, 1995, 25, 729-732.	4.0	17
47	Copper(II)-selective electrodes based on macrocyclic compounds. Analytical Proceedings, 1995, 32, 99.	0.4	207
48	Neutral carrier and organic resin based membranes as sensors for uranyl ions. Analytical Proceedings, 1995, 32, 263.	0.4	189
49	Nickel(II)-selective electrodes based on macrocyclic compounds. Analytical Proceedings, 1995, 32, 193.	0.4	4