

# Lok P Singh

## List of Publications by Year in descending order

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49  
papers

4,675  
citations

126858

33  
h-index

214721

47  
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49  
all docs

49  
docs citations

49  
times ranked

4124  
citing authors

#	ARTICLE	IF	CITATIONS
1	Beneficial role of nanosilica in cement based materials – A review. Construction and Building Materials, 2013, 47, 1069-1077.	3.2	537
2	A novel copper (II) selective sensor based on Dimethyl 4, 4'-o-phenylene) bis(3-thioallophanate) in PVC matrix. Journal of Molecular Liquids, 2012, 174, 11-16.	2.3	334
3	A comparative study of Pb <sup>2+</sup> selective sensors based on derivatized tetrapyrazole and calix[4]arene receptors. Electrochimica Acta, 2006, 51, 2547-2553.	2.6	283
4	Sol-Gel processing of silica nanoparticles and their applications. Advances in Colloid and Interface Science, 2014, 214, 17-37.	7.0	264
5	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
6	Macrocyclic Based Membrane Sensors for the Determination of Cobalt(II) Ions. Analyst, The, 1997, 122, 583-586.	1.7	218
7	Dye Sensitization of Nanocrystalline Titanium Dioxide with Square Planar Platinum(II) Diimine Dithiolate Complexes. Inorganic Chemistry, 2001, 40, 5371-5380.	1.9	215
8	Copper(II)-selective electrodes based on macrocyclic compounds. Analytical Proceedings, 1995, 32, 99.	0.4	207
9	Porphyrins as carrier in PVC based membrane potentiometric sensors for nickel(II). Analytica Chimica Acta, 1997, 355, 33-41.	2.6	192
10	Neutral carrier and organic resin based membranes as sensors for uranyl ions. Analytical Proceedings, 1995, 32, 263.	0.4	189
11	A new membrane sensor for UO <sub>2</sub> <sup>2+</sup> ions based on 2-hydroxyacetophenoneoxime-thiourea-trioxane resin. Electroanalysis, 1997, 9, 857-860.	1.5	178
12	Anion recognition through novel C-thiophenecalix[4]resorcinarene: PVC based sensor for chromate ions. Talanta, 2005, 65, 716-721.	2.9	148
13	Copper(II) selective electrochemical sensor based on Schiff Base complexes. Talanta, 2004, 64, 313-319.	2.9	135
14	Lead (Pb <sup>2+</sup> ) and copper (Cu <sup>2+</sup> ) remediation from water using superparamagnetic maghemite (γ-Fe <sub>2</sub> O <sub>3</sub> ) Tj ETQq0 0 0 rgBT /Overlo 2017, 492, 176-190.	5.0	128
15	Studies on early stage hydration of tricalcium silicate incorporating silica nanoparticles: Part I. Construction and Building Materials, 2015, 74, 278-286.	3.2	88
16	Preparation of Silica Nanoparticles and its Beneficial Role in Cementitious Materials. Nanomaterials and Nanotechnology, 2011, 1, 9.	1.2	86
17	Effect of the Ligand Structure on the Efficiency of Electron Injection from Excited Ru <sup>2+</sup> -Phenanthroline Complexes to Nanocrystalline TiO <sub>2</sub> Films. Journal of Physical Chemistry B, 2002, 106, 374-379.	1.2	83
18	New platinum(II) polypyridyl photosensitizers for TiO <sub>2</sub> solar cells. New Journal of Chemistry, 2000, 24, 343-345.	1.4	72

#	ARTICLE	IF	CITATIONS
19	Functional role of cationic surfactant to control the nano size of silica powder. Applied Nanoscience (Switzerland), 2011, 1, 117-122.	1.6	71
20	Quantification and characterization of C-S-H in silica nanoparticles incorporated cementitious system. Cement and Concrete Composites, 2017, 79, 106-116.	4.6	71
21	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
22	Studies on early stage hydration of tricalcium silicate incorporating silica nanoparticles: Part II. Construction and Building Materials, 2016, 102, 943-949.	3.2	69
23	Studies on optimization of silica nanoparticles dosage in cementitious system. Cement and Concrete Composites, 2016, 70, 60-68.	4.6	68
24	High strength sustainable concrete using silica nanoparticles. Construction and Building Materials, 2017, 138, 285-295.	3.2	67
25	A copper-selective electrode based on bis(acetylaceton)propylenediimine. Talanta, 2005, 68, 193-197.	2.9	55
26	Chelating ionophore based membrane sensors for copper(II) ions. Talanta, 2005, 66, 1355-1361.	2.9	47
27	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
28	Nickel(II)-selective sensors based on heterogeneous membranes of macrocyclic compounds. Sensors and Actuators B: Chemical, 1997, 40, 15-20.	4.0	43
29	Efficient Photosensitization of Nanocrystalline TiO <sub>2</sub> Films 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
30	Hydration Studies of Cementitious Material using Silica Nanoparticles. Journal of Advanced Concrete Technology, 2015, 13, 345-354.	0.8	41
31	Synthesis and photophysical properties of ruthenium(II) charge transfer sensitizers containing 4,4'-dicarboxy-2,2'-biquinoline and 5,8-dicarboxy-6,7-dihydro-dibenzo[1,10]-phenanthroline. Inorganica Chimica Acta, 2001, 322, 7-16.	1.2	40
32	PVC-based neutral carrier and organic exchanger membranes as sensors for the determination of Ba <sup>2+</sup> and Sr <sup>2+</sup> . Sensors and Actuators B: Chemical, 1999, 55, 201-211.	4.0	38
33	An innovative approach to develop microporous activated carbons in oxidising atmosphere. Journal of Cleaner Production, 2017, 156, 549-555.	4.6	35
34	Zn <sup>2+</sup> sensor based on Zn-bis(2,4,4-trimethylpentyl)dithiophosphinic acid complex in PVC matrix. Electrochimica Acta, 1998, 43, 2047-2052.	2.6	32
35	Molybdate sensor based on 5,10,15,20-tetraphenylporphyrinatocobalt complex in a PVC matrix. Analytica Chimica Acta, 1999, 379, 201-208.	2.6	29
36	Reduction of calcium leaching in cement hydration process using nanomaterials. Materials Technology, 2012, 27, 233-238.	1.5	27

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37	Novel PVC-based membrane sensors selective for vanadyl ions. <i>Talanta</i> , 1998, 46, 1453-1460.	2.9	25
38	Selective anion recognition: Charged diaza crown ethers based electrochemical sensors for chromate ions. <i>Analytica Chimica Acta</i> , 2005, 546, 199-205.	2.6	24
39	Anion recognition through amide-based dendritic molecule: A poly(vinyl chloride) based sensor for nitrate ion. <i>Talanta</i> , 2011, 85, 970-974.	2.9	22
40	A new cerium(IV) vanadate-based solid membrane electrode for bismuth(III). <i>Electroanalysis</i> , 1997, 9, 1360-1364.	1.5	20
41	Chelating ionophores based electrochemical sensor for Hg(II) ions. <i>Journal of Applied Electrochemistry</i> , 2004, 34, 391-396.	1.5	18
42	A solid membrane sensor for chromate ions. <i>Sensors and Actuators B: Chemical</i> , 1995, 25, 729-732.	4.0	17
43	Granulometric synthesis and characterisation of dispersed nanosilica powder and its application in cementitious system. <i>Advances in Applied Ceramics</i> , 2012, 111, 220-227.	0.6	13
44	Quantification of hydration products in cementitious materials incorporating silica nanoparticles. <i>Frontiers of Structural and Civil Engineering</i> , 2016, 10, 162-167.	1.2	11
45	Effect of nanosilica on chloride permeability in cement mortar. <i>Advances in Cement Research</i> , 2015, 27, 399-408.	0.7	10
46	Characterization of automobile effluent treatment plant sludge: Its utilization in construction materials. <i>Construction and Building Materials</i> , 2014, 73, 603-609.	3.2	8
47	Nickel(II)-selective electrodes based on macrocyclic compounds. <i>Analytical Proceedings</i> , 1995, 32, 193.	0.4	4
48	Studies on Hydration of Tricalcium Silicate Incorporating Silica Nano-particles. , 2015, , 151-159.		4
49	ANALYTICAL SELECTIVITY OF MEMBRANE ELECTRODE BASED ON SALICYLALDOXIME FORMALDEHYDE RESIN. , 1997, , 104-111.		0