

Deepa Khushalani

List of Publications by Year in descending order

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44
papers

2,145
citations

236925

25
h-index

254184

43
g-index

46
all docs

46
docs citations

46
times ranked

2926
citing authors

#	ARTICLE	IF	CITATIONS
1	Interfacial synthesis of hollow microspheres of mesostructured silica. <i>Chemical Communications</i> , 2001, , 2028-2029.	4.1	267
2	Metamorphic materials: Restructuring siliceous mesoporous materials. <i>Advanced Materials</i> , 1995, 7, 842-846.	21.0	220
3	Facile synthesis of hollow silica microspheres. <i>Journal of Materials Chemistry</i> , 2001, 11, 1968-1971.	6.7	168
4	Synthesis and shape modification of organo-functionalised silica nanoparticles with ordered mesostructured interiors Electronic supplementary information (ESI) available: SAXRD data for functionalised and unfunctionalised MCM-41 nanoparticles. See http://www.rsc.org/suppdata/jm/b3/b300851g/ . <i>Journal of Materials Chemistry</i> , 2003, 13, 1023-1029.	6.7	118
5	Glycometallate surfactants Part 2: non-aqueous synthesis of mesoporous titanium, zirconium and niobium oxides. <i>Journal of Materials Chemistry</i> , 1999, 9, 1491-1500.	6.7	97
6	Synthesis of Calcium Phosphate Nanofilaments in Reverse Micelles. <i>Chemistry of Materials</i> , 2005, 17, 2765-2770.	6.7	93
7	Nonhydrolytic Route for Synthesis of ZnO and Its Use as a Recyclable Photocatalyst. <i>Journal of Physical Chemistry C</i> , 2010, 114, 2544-2550.	3.1	83
8	Mixed Surfactant Assemblies in the Synthesis of Mesoporous Silicas. <i>Chemistry of Materials</i> , 1996, 8, 2188-2193.	6.7	76
9	Zinc Glycolate: A Precursor to ZnO. <i>Inorganic Chemistry</i> , 2009, 48, 3508-3510.	4.0	72
10	SWCNT/BiVO ₄ composites as anode materials for supercapacitor application. <i>RSC Advances</i> , 2014, 4, 17378-17381.	3.6	71
11	Mesochemistry. <i>Current Opinion in Colloid and Interface Science</i> , 1998, 3, 181-193.	7.4	60
12	Electrocatalyst on Insulating Support?: Hollow Silica Spheres Loaded with Pt Nanoparticles for Methanol Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 6590-6595.	8.0	60
13	Polymer mesofibres. <i>Journal of Materials Chemistry</i> , 1998, 8, 13-14.	6.7	59
14	Single amino acid based self-assembled structure. <i>Soft Matter</i> , 2013, 9, 10141.	2.7	59
15	A facile nonaqueous route for fabricating titania nanorods and their viability in quasi-solid-state dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , 2010, 20, 4425.	6.7	55
16	Nanostructured MoS ₂ /BiVO ₄ Composites for Energy Storage Applications. <i>Scientific Reports</i> , 2016, 6, 36294.	3.3	54
17	Neutron diffraction and NMR relaxation studies of structural variation and phase transformations for water/ice in SBA-15 silica: I. The over-filled case. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 10009-10028.	1.8	51
18	Blueprints for inorganic materials with natural form: inorganic liquid crystals and a language of inorganic shape. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997, , 3941-3952.	1.1	48

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19	Enhancement in Rate of Photocatalysis Upon Catalyst Recycling. <i>Scientific Reports</i> , 2016, 6, 35075.	3.3	41
20	Synthesis of hydroxyapatite nanotubes for biomedical applications. <i>Materials Science and Engineering C</i> , 2013, 33, 2981-2986.	7.3	40
21	One-step method for the self-assembly of metal nanoparticles onto faceted hollow silica tubes. <i>Journal of Materials Chemistry</i> , 2006, 16, 3619.	6.7	34
22	Protein encapsulation into mesoporous silica hosts. <i>Microporous and Mesoporous Materials</i> , 2008, 109, 535-541.	4.4	30
23	Hydrothermally Synthesized Aligned Arrays of Self-Assembled Multiwalled Hydrogen Titanate Nanotubes. <i>Crystal Growth and Design</i> , 2010, 10, 1215-1220.	3.0	30
24	Biocompatible calcium phosphate based tubes. <i>Journal of Materials Chemistry</i> , 2010, 20, 6923.	6.7	27
25	Evaluating the Reactivity of BiVO ₄ Surfaces for Efficient Electrocatalytic H ₂ O ₂ Production: A Combined Experimental and Computational Study. <i>Journal of Physical Chemistry C</i> , 2020, 124, 4152-4161.	3.1	27
26	A Simple Method for Synthesis of S-Doped TiO ₂ of High Photocatalytic Activity. <i>Catalysis Letters</i> , 2010, 134, 169-174.	2.6	25
27	A facile methodology for the design of functionalized hollow silica spheres. <i>Journal of Colloid and Interface Science</i> , 2010, 346, 265-269.	9.4	25
28	Insight into the Excitation-Dependent Fluorescence of Carbon Dots. <i>ChemPhysChem</i> , 2019, 20, 984-990.	2.1	25
29	Synthesis of Mesoporous Silica Monoliths with Embedded Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2001, 1, 129-132.	0.9	19
30	Biomimetic Hydroxyapatite a Potential Universal Nanocarrier for Cellular Internalization & Drug Delivery. <i>Pharmaceutical Research</i> , 2019, 36, 60.	3.5	19
31	Glycometallate surfactants. Part 1: non-aqueous synthesis of mesoporous silica. <i>Journal of Materials Chemistry</i> , 1999, 9, 1483-1489.	6.7	17
32	One-Dimensional Behavior of Imidazolium Lead Iodide. <i>Journal of Physical Chemistry C</i> , 2019, 123, 16449-16455.	3.1	10
33	Non-Perovskite Hybrid Material, Imidazolium Lead Iodide, with Enhanced Stability. <i>ChemNanoMat</i> , 2019, 5, 85-91.	2.8	10
34	Generic synthesis of a variety of nanocrystalline metal oxides at room temperature. <i>Journal of Materials Chemistry</i> , 2008, 18, 3636.	6.7	7
35	Crafting Inorganic Materials for Use in Energy Capture and Storage. <i>Langmuir</i> , 2019, 35, 9101-9114.	3.5	7
36	Novel precursors for anatase nanorods and their application in DSSCs. <i>Materials Chemistry and Physics</i> , 2014, 147, 1110-1116.	4.0	6

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37	Degradation and regeneration of hybrid perovskites. RSC Advances, 2016, 6, 101846-101852.	3.6	6
38	ReS ₂ vs MoS ₂ : Viable electrodes for batteries and capacitors. Electrochemistry Communications, 2022, 139, 107313.	4.7	5
39	Octyl- β -D-glucopyranoside mediated synthesis of nanocrystalline BaTiO ₃ using a single-source precursor. Journal of Materials Research, 2008, 23, 842-848.	2.6	4
40	Direct Deposition of Au Nanoparticles onto TiO ₂ Rods. Chemistry Letters, 2009, 38, 764-765.	1.3	3
41	Thermal stability of gold-PS nanocomposites thin films. Bulletin of Materials Science, 2011, 34, 595-599.	1.7	3
42	Coupling Energy Capture and Storage – Endeavoring to make a solar battery. Scientific Reports, 2018, 8, 12752.	3.3	2
43	Thermally Stable Ultrafine Au Nanoparticles Embedded in an Anatase Matrix. Transactions of the Indian Ceramic Society, 2010, 69, 131-134.	1.0	0
44	Exploiting Sun's Energy Effectively as a Source of Renewable Energy. Resonance, 2018, 23, 355-369.	0.3	0