

# Deepa Khushalani

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5668387/publications.pdf>

Version: 2024-02-01

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	ReS <sub>2</sub> vs MoS <sub>2</sub> : Viable electrodes for batteries and capacitors. <i>Electrochemistry Communications</i> , 2022, 139, 107313.	4.7	5
2	Evaluating the Reactivity of BiVO <sub>4</sub> Surfaces for Efficient Electrocatalytic H <sub>2</sub> O <sub>2</sub> Production: A Combined Experimental and Computational Study. <i>Journal of Physical Chemistry C</i> , 2020, 124, 4152-4161.	3.1	27
3	One-Dimensional Behavior of Imidazolium Lead Iodide. <i>Journal of Physical Chemistry C</i> , 2019, 123, 16449-16455.	3.1	10
4	Biomimetic Hydroxyapatite a Potential Universal Nanocarrier for Cellular Internalization & Drug Delivery. <i>Pharmaceutical Research</i> , 2019, 36, 60.	3.5	19
5	Insight into the Excitation-Dependent Fluorescence of Carbon Dots. <i>ChemPhysChem</i> , 2019, 20, 984-990.	2.1	25
6	Non-Perovskite Hybrid Material, Imidazolium Lead Iodide, with Enhanced Stability. <i>ChemNanoMat</i> , 2019, 5, 85-91.	2.8	10
7	Crafting Inorganic Materials for Use in Energy Capture and Storage. <i>Langmuir</i> , 2019, 35, 9101-9114.	3.5	7
8	Exploiting Sun's Energy Effectively as a Source of Renewable Energy. <i>Resonance</i> , 2018, 23, 355-369.	0.3	0
9	Coupling Energy Capture and Storage – Endeavoring to make a solar battery. <i>Scientific Reports</i> , 2018, 8, 12752.	3.3	2
10	Nanostructured MoS <sub>2</sub> /BiVO <sub>4</sub> Composites for Energy Storage Applications. <i>Scientific Reports</i> , 2016, 6, 36294.	3.3	54
11	Degradation and regeneration of hybrid perovskites. <i>RSC Advances</i> , 2016, 6, 101846-101852.	3.6	6
12	Enhancement in Rate of Photocatalysis Upon Catalyst Recycling. <i>Scientific Reports</i> , 2016, 6, 35075.	3.3	41
13	Electrocatalyst on Insulating Support?: Hollow Silica Spheres Loaded with Pt Nanoparticles for Methanol Oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 6590-6595.	8.0	60
14	SWCNT/BiVO <sub>4</sub> composites as anode materials for supercapacitor application. <i>RSC Advances</i> , 2014, 4, 17378-17381.	3.6	71
15	Novel precursors for anatase nanorods and their application in DSSCs. <i>Materials Chemistry and Physics</i> , 2014, 147, 1110-1116.	4.0	6
16	Single amino acid based self-assembled structure. <i>Soft Matter</i> , 2013, 9, 10141.	2.7	59
17	Synthesis of hydroxyapatite nanotubes for biomedical applications. <i>Materials Science and Engineering C</i> , 2013, 33, 2981-2986.	7.3	40
18	Thermal stability of gold-PS nanocomposites thin films. <i>Bulletin of Materials Science</i> , 2011, 34, 595-599.	1.7	3

#	ARTICLE	IF	CITATIONS
19	Thermally Stable Ultrafine Au Nanoparticles Embedded in an Anatase Matrix. Transactions of the Indian Ceramic Society, 2010, 69, 131-134.	1.0	0
20	A Simple Method for Synthesis of S-Doped TiO <sub>2</sub> of High Photocatalytic Activity. Catalysis Letters, 2010, 134, 169-174.	2.6	25
21	A facile methodology for the design of functionalized hollow silica spheres. Journal of Colloid and Interface Science, 2010, 346, 265-269.	9.4	25
22	Hydrothermally Synthesized Aligned Arrays of Self-Assembled Multiwalled Hydrogen Titanate Nanotubes. Crystal Growth and Design, 2010, 10, 1215-1220.	3.0	30
23	Biocompatible calcium phosphate based tubes. Journal of Materials Chemistry, 2010, 20, 6923.	6.7	27
24	Nonhydrolytic Route for Synthesis of ZnO and Its Use as a Recyclable Photocatalyst. Journal of Physical Chemistry C, 2010, 114, 2544-2550.	3.1	83
25	A facile nonaqueous route for fabricating titania nanorods and their viability in quasi-solid-state dye-sensitized solar cells. Journal of Materials Chemistry, 2010, 20, 4425.	6.7	55
26	Zinc Glycolate: A Precursor to ZnO. Inorganic Chemistry, 2009, 48, 3508-3510.	4.0	72
27	Direct Deposition of Au Nanoparticles onto TiO <sub>2</sub> Rods. Chemistry Letters, 2009, 38, 764-765.	1.3	3
28	Protein encapsulation into mesoporous silica hosts. Microporous and Mesoporous Materials, 2008, 109, 535-541.	4.4	30
29	Generic synthesis of a variety of nanocrystalline metal oxides at room temperature. Journal of Materials Chemistry, 2008, 18, 3636.	6.7	7
30	Octyl-β-D-glucopyranoside mediated synthesis of nanocrystalline BaTiO <sub>3</sub> using a single-source precursor. Journal of Materials Research, 2008, 23, 842-848.	2.6	4
31	One-step method for the self-assembly of metal nanoparticles onto faceted hollow silica tubes. Journal of Materials Chemistry, 2006, 16, 3619.	6.7	34
32	Neutron diffraction and NMR relaxation studies of structural variation and phase transformations for water/ice in SBA-15 silica: I. The over-filled case. Journal of Physics Condensed Matter, 2006, 18, 10009-10028.	1.8	51
33	Synthesis of Calcium Phosphate Nanofilaments in Reverse Micelles. Chemistry of Materials, 2005, 17, 2765-2770.	6.7	93
34	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 <a href="http://www.rsc.org/suppdata/jm/b3/b300851g/">http://www.rsc.org/suppdata/jm/b3/b300851g/</a> . Journal of Materials Chemistry, 2003, 13, 1023-1029.	6.7	118
35	Interfacial synthesis of hollow microspheres of mesostructured silica. Chemical Communications, 2001, , 2028-2029.	4.1	267
36	Facile synthesis of hollow silica microspheres. Journal of Materials Chemistry, 2001, 11, 1968-1971.	6.7	168

#	ARTICLE	IF	CITATIONS
37	Synthesis of Mesoporous Silica Monoliths with Embedded Nanoparticles. Journal of Nanoscience and Nanotechnology, 2001, 1, 129-132.	0.9	19
38	Glycometallate surfactants. Part 1: non-aqueous synthesis of mesoporous silica. Journal of Materials Chemistry, 1999, 9, 1483-1489.	6.7	17
39	Glycometallate surfactants Part 2: non-aqueous synthesis of mesoporous titanium, zirconium and niobium oxides. Journal of Materials Chemistry, 1999, 9, 1491-1500.	6.7	97
40	Mesochemistry. Current Opinion in Colloid and Interface Science, 1998, 3, 181-193.	7.4	60
41	Polymer mesofibres. Journal of Materials Chemistry, 1998, 8, 13-14.	6.7	59
42	Blueprints for inorganic materials with natural form: inorganic liquid crystals and a language of inorganic shape. Journal of the Chemical Society Dalton Transactions, 1997, , 3941-3952.	1.1	48
43	Mixed Surfactant Assemblies in the Synthesis of Mesoporous Silicas. Chemistry of Materials, 1996, 8, 2188-2193.	6.7	76
44	Metamorphic materials: Restructuring siliceous mesoporous materials. Advanced Materials, 1995, 7, 842-846.	21.0	220