Satish K Nune

List of Publications by Year
in descending order

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56 papers	3,677 citations	218381 26 h-index	182168 51 g-index
64 all docs	64 docs citations	64 times ranked	6548 citing authors

#	Article	IF	Citations
1	Nanoparticles for biomedical imaging. Expert Opinion on Drug Delivery, 2009, 6, 1175-1194.	2.4	369
2	Green nanotechnology from tea: phytochemicals in tea as building blocks for production of biocompatible gold nanoparticles. Journal of Materials Chemistry, 2009, 19, 2912.	6.7	341
3	Potential of Metalâ€“Organic Frameworks for Separation of Xenon and Krypton. Accounts of Chemical Research, 2015, 48, 211-219.	7.6	330
4	In Situ One-Step Synthesis of Hierarchical Nitrogen-Doped Porous Carbon for High-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2014, 6, 7214-7222.	4.0	306
5	Adsorption, separation, and catalytic properties of densified metal-organic frameworks. Coordination Chemistry Reviews, 2016, 311, 38-52.	9.5	272
6	Laminin receptor specific therapeutic gold nanoparticles (¹⁹⁸ AuNP-EGCg) show efficacy in treating prostate cancer. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12426-12431.	3.3	231
7	Synthesis and properties of nano zeolitic imidazolate frameworks. Chemical Communications, 2010, 46, 4878.	2.2	226
8	Controlling Porosity in Ligninâ€Derived Nanoporous Carbon for Supercapacitor Applications. ChemSusChem, 2015, 8, 428-432.	3.6	196
9	Soybeans as a Phytochemical Reservoir for the Production and Stabilization of Biocompatible Gold Nanoparticles. Small, 2008, 4, 1425-1436.	5.2	176
10	Gas-Induced Expansion and Contraction of a Fluorinated Metalâ^'Organic Framework. Crystal Growth and Design, 2010, 10, 1037-1039.	1.4	152
11	Metal organic gels (MOGs): a new class of sorbents for CO2 separation applications. Journal of Materials Chemistry, 2010, 20, 7623.	6.7	80
12	Chemically Active, Porous 3D-Printed Thermoplastic Composites. ACS Applied Materials & Interfaces, 2018, 10, 15112-15121.	4.0	73
13	Micro and mesoporous metalâ€“organic frameworks for catalysis applications. Dalton Transactions, 2010, 39, 1692-1694.	1.6	71
14	Advances in lymphatic imaging and drug delivery. Advanced Drug Delivery Reviews, 2011, 63, 876-885.	6.6	67
15	Metal-organic heat carrier nanofluids. Nano Energy, 2013, 2, 845-855.	8.2	66
16	Hydrophobic and moisture-stable metalâ€“organic frameworks. Dalton Transactions, 2015, 44, 13490-13497.	1.6	55
17	Redoxâ€Active Metalâ€“Organic Composites for Highly Selective Oxygen Separation Applications. Advanced Materials, 2016, 28, 3572-3577.	11.1	55
18	Metal-organic framework derived hierarchically porous nitrogen-doped carbon nanostructures as novel electrocatalyst for oxygen reduction reaction. Electrochimica Acta, 2015, 178, 287-293.	2.6	50

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19	Improving the Molecular Ion Signal Intensity for In Situ Liquid SIMS Analysis. Journal of the American Society for Mass Spectrometry, 2016, 27, 2006-2013.	1.2	46
20	Continuous, One-pot Synthesis and Post-Synthetic Modification of NanoMOFs Using Droplet Nanoreactors. Scientific Reports, 2016, 6, 36657.	1.6	45
21	Separation of polar compounds using a flexible metalâ€“organic framework. Chemical Communications, 2015, 51, 8421-8424.	2.2	41
22	Palladium-complex-catalyzed regioselective Markovnikov addition reaction and dehydrogenative double phosphinylation to terminal alkynes with diphenylphosphine oxide. Tetrahedron Letters, 2007, 48, 4669-4673.	0.7	37
23	Palladium-catalysed regioselective addition reaction of ethyl phenylphosphinate with terminal acetylenes: ligand- and solvent-dependent regioselectivity. Chemical Communications, 2007, , 2858.	2.2	36
24	A Combined Experimental and Computational Study on the Stability of Nanofluids Containing Metal Organic Frameworks. Journal of Physical Chemistry B, 2015, 119, 8992-8999.	1.2	29
25	Does a Sterically Bulky Group Occupy the Equatorial Site in Trigonal Bipyramidal Phosphorus?. Organic Letters, 2004, 6, 145-148.	2.4	28
26	Role of hydrocarbons in pore expansion and contraction of a flexible metalâ€“organic framework. Chemical Communications, 2011, 47, 7077.	2.2	27
27	Pd-catalyzed additionâ€“carbocyclization of Î±,Ï‰-diynes with Hâ€“P(O)R2 compounds. Tetrahedron Letters, 2009, 50, 6196-6199.	0.7	26
28	Structurally diverse penta- and hexacoordinate phosphorus compounds from the reaction of diethyl or diisopropyl azodicarboxylates with phosphorus(iii) compounds. New Journal of Chemistry, 2006, 30, 717.	1.4	25
29	Two coexisting liquid phases in switchable ionic liquids. Physical Chemistry Chemical Physics, 2017, 19, 22627-22632.	1.3	23
30	Synthesis, Characterization, and Application of Metal Organic Framework Nanostructures. Langmuir, 2010, 26, 18591-18594.	1.6	22
31	Lithium Insertion Mechanism in Iron Fluoride Nanoparticles Prepared by Catalytic Decomposition of Fluoropolymer. ACS Applied Energy Materials, 2019, 2, 1832-1843.	2.5	21
32	Increased Thermal Conductivity in Metal-Organic Heat Carrier Nanofluids. Scientific Reports, 2016, 6, 27805.	1.6	20
33	Microporous and Flexible Framework Acoustic Metamaterials for Sound Attenuation and Contrast Agent Applications. ACS Applied Materials & Interfaces, 2018, 10, 44226-44230.	4.0	15
34	Adsorption Kinetics in Nanoscale Porous Coordination Polymers. ACS Applied Materials & Interfaces, 2015, 7, 21712-21716.	4.0	14
35	Waterâ€Based Assembly of Polymerâ€“Metal Organic Framework (MOF) Functional Coatings. Advanced Materials Interfaces, 2017, 4, 1600905.	1.9	13
36	Anomalous water expulsion from carbon-based rods at high humidity. Nature Nanotechnology, 2016, 11, 791-797.	15.6	11

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37	LiCoPO4 cathode from a CoHPO4Â·xH2O nanoplate precursor for high voltage Li-ion batteries. Heliyon, 2016, 2, e00081.	1.4	10
38	Addition products of a P(iii)-isothiocyanate to dialkyl acetylenedicarboxylates: a spirocyclic phosphinimine and a triphosphorus heterocycle with tetra- and penta-coordinate phosphorus. Dalton Transactions, 2005, , 1847.	1.6	9
39	Techno-Economic Analysis of Magnesium Extraction from Seawater via a Catalyzed Organo-Metathetical Process. Jom, 2018, 70, 431-435.	0.9	9
40	An Efficient, Solvent-Free Process for Synthesizing Anhydrous MgCl₂. ACS Sustainable Chemistry and Engineering, 2018, 6, 1048-1054.	3.2	8
41	Controlling Porosity in Ligninâ€Derived Nanoporous Carbon for Supercapacitor Applications. ChemSusChem, 2015, 8, 411-411.	3.6	7
42	METAL ORGANIC FRAMEWORKSâ€“SYNTHESIS AND APPLICATIONS. , 2014, , 61-103.		6
43	Switchable Ionic Liquids: An Environmentally Friendly Medium to Synthesise Nanoparticulate Green Rust. Current Inorganic Chemistry, 2016, 6, 92-99.	0.2	6
44	Mitsunobu Reagent [Triphenyl-phosphine(TPP) and Diethyl Azodi-carboxylate (DEAD)/Diisopropyl azodicarboxylate(DIAD)]. Synlett, 2003, 2003, 1221-1222.	1.0	5
45	Novel nanochemistry toward generation and stabilization of gold nanoparticles in human serum albumin matrix. Pure and Applied Chemistry, 2011, 83, 2055-2062.	0.9	5
46	Injectable Contrast Agents for Enhanced Subsurface Mapping and Monitoring. Energy Procedia, 2017, 114, 3764-3770.	1.8	4
47	Investigation of reactive intermediates during the synthesis of di-n-butylmagnesium. Inorganica Chimica Acta, 2019, 489, 150-154.	1.2	3
48	Revealing the Structural Evolution of Green Rust Synthesized in Ionic Liquids by In Situ Molecular Imaging. Advanced Materials Interfaces, 2020, 7, 2000452.	1.9	3
49	Geophysical Monitoring with Seismic Metamaterial Contrast Agents. , 2019, , .		2
50	Unusual products in the reactions of phosphorus(III) compounds with N=N, Câ‰¡C or conjugated double-bonded systems. Journal of Chemical Sciences, 2006, 118, 495-501.	0.7	1
51	Exploring Lithium Deficiency in Layered Oxide Cathode for Liâ€ion Battery. Advanced Sustainable Systems, 2017, 1, 1700026.	2.7	1
52	Porous Colloidal Nanoparticles as Injectable Multimodal Contrast Agents for Enhanced Geophysical Sensing. ACS Applied Materials & Interfaces, 2022, 14, 23420-23425.	4.0	1
53	A hexacoordinated aluminium complex with a new type of seven-membered chelate ring involving a cyclic phosphate ester. Acta Crystallographica Section E: Structure Reports Online, 2004, 60, m1321-m1323.	0.2	0
54	Liâ€ion Batteries: Exploring Lithium Deficiency in Layered Oxide Cathode for Liâ€ion Battery (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.7	0

#	Article	IF	Citations
55	Toward Polarization-Switched Molecular Pumps. ACS Applied Energy Materials, 2019, 2, 4092-4097.	2.5	0
56	Green Rust: Revealing the Structural Evolution of Green Rust Synthesized in Ionic Liquids by In Situ Molecular Imaging (Adv. Mater. Interfaces 15/2020). Advanced Materials Interfaces, 2020, 7, 2070086.	1.9	0