# Satish K Nune

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3818232/publications.pdf

Version: 2024-02-01

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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 | Porous Colloidal Nanoparticles as Injectable Multimodal Contrast Agents for Enhanced Geophysical Sensing. ACS Applied Materials & Interfaces, 2022, 14, 23420-23425. | 4.0 | 1 |
| 2 | 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 |
| 3 | 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 |
| 4 | Toward Polarization-Switched Molecular Pumps. ACS Applied Energy Materials, 2019, 2, 4092-4097. | 2.5 | 0 |
| 5 | Lithium Insertion Mechanism in Iron Fluoride Nanoparticles Prepared by Catalytic Decomposition of Fluoropolymer. ACS Applied Energy Materials, 2019, 2, 1832-1843. | 2.5 | 21 |
| 6 | Investigation of reactive intermediates during the synthesis of di-n-butylmagnesium. Inorganica Chimica Acta, 2019, 489, 150-154. | 1.2 | 3 |
| 7 | Geophysical Monitoring with Seismic Metamaterial Contrast Agents. , 2019, , . | | 2 |
| 8 | Chemically Active, Porous 3D-Printed Thermoplastic Composites. ACS Applied Materials & Interfaces, 2018, 10, 15112-15121. | 4.0 | 73 |
| 9 | Techno-Economic Analysis of Magnesium Extraction from Seawater via a Catalyzed Organo-Metathetical Process. Jom, 2018, 70, 431-435. | 0.9 | 9 |
| 10 | An Efficient, Solvent-Free Process for Synthesizing Anhydrous MgCl<sub>2</sub>. ACS Sustainable Chemistry and Engineering, 2018, 6, 1048-1054. | 3.2 | 8 |
| 11 | Microporous and Flexible Framework Acoustic Metamaterials for Sound Attenuation and Contrast Agent Applications. ACS Applied Materials & Interfaces, 2018, 10, 44226-44230. | 4.0 | 15 |
| 12 | Exploring Lithium Deficiency in Layered Oxide Cathode for Liâ€Ion Battery. Advanced Sustainable Systems, 2017, 1, 1700026. | 2.7 | 1 |
| 13 | Waterâ€Based Assembly of Polymerâ€“Metal Organic Framework (MOF) Functional Coatings. Advanced Materials Interfaces, 2017, 4, 1600905. | 1.9 | 13 |
| 14 | Injectable Contrast Agents for Enhanced Subsurface Mapping and Monitoring. Energy Procedia, 2017, 114, 3764-3770. | 1.8 | 4 |
| 15 | Liâ€Ion Batteries: Exploring Lithium Deficiency in Layered Oxide Cathode for Liâ€Ion Battery (Adv.) Tj ETQq1 1 0.784314 rgBT /Overlo | 2.7 | 0 |
| 16 | Two coexisting liquid phases in switchable ionic liquids. Physical Chemistry Chemical Physics, 2017, 19, 22627-22632. | 1.3 | 23 |
| 17 | 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 |
| 18 | Continuous, One-pot Synthesis and Post-Synthetic Modification of NanoMOFs Using Droplet Nanoreactors. Scientific Reports, 2016, 6, 36657. | 1.6 | 45 |

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|---|---|---|---|
| 19 | Increased Thermal Conductivity in Metal-Organic Heat Carrier Nanofluids. Scientific Reports, 2016, 6, 27805. | 1.6 | 20 |
| 20 | Redoxâ€Active Metalâ€“Organic Composites for Highly Selective Oxygen Separation Applications. Advanced Materials, 2016, 28, 3572-3577. | 11.1 | 55 |
| 21 | LiCoPO4 cathode from a CoHPO4Â·xH2O nanoplate precursor for high voltage Li-ion batteries. Heliyon, 2016, 2, e00081. | 1.4 | 10 |
| 22 | Anomalous water expulsion from carbon-based rods at high humidity. Nature Nanotechnology, 2016, 11, 791-797. | 15.6 | 11 |
| 23 | Adsorption, separation, and catalytic properties of densified metal-organic frameworks. Coordination Chemistry Reviews, 2016, 311, 38-52. | 9.5 | 272 |
| 24 | Switchable Ionic Liquids: An Environmentally Friendly Medium to Synthesise Nanoparticulate Green Rust. Current Inorganic Chemistry, 2016, 6, 92-99. | 0.2 | 6 |
| 25 | Controlling Porosity in Ligninâ€Derived Nanoporous Carbon for Supercapacitor Applications. ChemSusChem, 2015, 8, 411-411. | 3.6 | 7 |
| 26 | 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 |
| 27 | Separation of polar compounds using a flexible metalâ€“organic framework. Chemical Communications, 2015, 51, 8421-8424. | 2.2 | 41 |
| 28 | Hydrophobic and moisture-stable metalâ€“organic frameworks. Dalton Transactions, 2015, 44, 13490-13497. | 1.6 | 55 |
| 29 | 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 |
| 30 | Adsorption Kinetics in Nanoscale Porous Coordination Polymers. ACS Applied Materials & Interfaces, 2015, 7, 21712-21716. | 4.0 | 14 |
| 31 | Potential of Metalâ€“Organic Frameworks for Separation of Xenon and Krypton. Accounts of Chemical Research, 2015, 48, 211-219. | 7.6 | 330 |
| 32 | Controlling Porosity in Ligninâ€Derived Nanoporous Carbon for Supercapacitor Applications. ChemSusChem, 2015, 8, 428-432. | 3.6 | 196 |
| 33 | 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 |
| 34 | METAL ORGANIC FRAMEWORKSâ€“SYNTHESIS AND APPLICATIONS. , 2014, , 61-103. | | 6 |
| 35 | Metal-organic heat carrier nanofluids. Nano Energy, 2013, 2, 845-855. | 8.2 | 66 |
| 36 | Laminin receptor specific therapeutic gold nanoparticles ( <sup>198</sup> 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 |

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|---|---|---|---|
| 37 | Role of hydrocarbons in pore expansion and contraction of a flexible metalâ€“organic framework. Chemical Communications, 2011, 47, 7077. | 2.2 | 27 |
| 38 | Advances in lymphatic imaging and drug delivery. Advanced Drug Delivery Reviews, 2011, 63, 876-885. | 6.6 | 67 |
| 39 | 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 |
| 40 | Synthesis and properties of nano zeolitic imidazolate frameworks. Chemical Communications, 2010, 46, 4878. | 2.2 | 226 |
| 41 | Synthesis, Characterization, and Application of Metal Organic Framework Nanostructures. Langmuir, 2010, 26, 18591-18594. | 1.6 | 22 |
| 42 | Metal organic gels (MOGs): a new class of sorbents for CO2 separation applications. Journal of Materials Chemistry, 2010, 20, 7623. | 6.7 | 80 |
| 43 | Gas-Induced Expansion and Contraction of a Fluorinated Metalâ^'Organic Framework. Crystal Growth and Design, 2010, 10, 1037-1039. | 1.4 | 152 |
| 44 | Micro and mesoporous metalâ€“organic frameworks for catalysis applications. Dalton Transactions, 2010, 39, 1692-1694. | 1.6 | 71 |
| 45 | Pd-catalyzed additionâ€“carbocyclization of Î±,Ï‰-diynes with Hâ€“P(O)R2 compounds. Tetrahedron Letters, 2009, 50, 6196-6199. | 0.7 | 26 |
| 46 | Nanoparticles for biomedical imaging. Expert Opinion on Drug Delivery, 2009, 6, 1175-1194. | 2.4 | 369 |
| 47 | 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 |
| 48 | Soybeans as a Phytochemical Reservoir for the Production and Stabilization of Biocompatible Gold Nanoparticles. Small, 2008, 4, 1425-1436. | 5.2 | 176 |
| 49 | Palladium-catalysed regioselective addition reaction of ethyl phenylphosphinate with terminal acetylenes: ligand- and solvent-dependent regioselectivity. Chemical Communications, 2007, , 2858. | 2.2 | 36 |
| 50 | 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 |
| 51 | 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 |
| 52 | 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 |
| 53 | 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 |
| 54 | 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 |

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|---|---|---|---|
| 55 | Does a Sterically Bulky Group Occupy the Equatorial Site in Trigonal Bipyramidal Phosphorus?. Organic Letters, 2004, 6, 145-148. | 2.4 | 28 |
| 56 | Mitsunobu Reagent [Triphenyl-phosphine(TPP) and Diethyl Azodi-carboxylate (DEAD)/Diisopropyl azodicarboxylate(DIAD)]. Synlett, 2003, 2003, 1221-1222. | 1.0 | 5 |