

Sidharam P Pujari

List of Publications by Year in descending order

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Version: 2024-02-01

48
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394421
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all docs

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docs citations

50
times ranked

3277
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Configurationally Chiral SuFEx-Based Polymers. <i>Angewandte Chemie</i> , 2022, 134, . | 2.0 | 4 |
| 2 | Configurationally Chiral SuFEx-Based Polymers. <i>Angewandte Chemie - International Edition</i> , 2022, 61, . | 13.8 | 28 |
| 3 | Microsphere Peptide-Based Immunoassay for the Detection of Recombinant Bovine Somatotropin in Injection Preparations. <i>Biosensors</i> , 2022, 12, 138. | 4.7 | 0 |
| 4 | Organosilicon uptake by biological membranes. <i>Communications Biology</i> , 2021, 4, 704. | 4.4 | 4 |
| 5 | SuFExable polymers with helical structures derived from thionyl tetrafluoride. <i>Nature Chemistry</i> , 2021, 13, 858-867. | 13.6 | 74 |
| 6 | Efficient Chemical Surface Modification Protocol on SiO ₂ Transducers Applied to MMP9 Biosensing. <i>Sensors</i> , 2021, 21, 8156. | 3.8 | 1 |
| 7 | Selective Positioning of Nanosized Metal-Organic Framework Particles at Patterned Substrate Surfaces. <i>Chemistry of Materials</i> , 2020, 32, 9954-9963. | 6.7 | 10 |
| 8 | Change in Tetracene Polymorphism Facilitates Triplet Transfer in Singlet Fission-Sensitized Silicon Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8703-8709. | 4.6 | 19 |
| 9 | Surface Heterogeneous Nucleation-Mediated Release of Beta-Carotene from Porous Silicon. <i>Nanomaterials</i> , 2020, 10, 1659. | 4.1 | 1 |
| 10 | A method to detect triplet exciton transfer from singlet fission materials into silicon solar cells: Comparing different surface treatments. <i>Journal of Chemical Physics</i> , 2020, 152, 114201. | 3.0 | 11 |
| 11 | Fast room-temperature functionalization of silicon nanoparticles using alkyl silanols. <i>Faraday Discussions</i> , 2020, 222, 82-94. | 3.2 | 14 |
| 12 | Immuno-capture of extracellular vesicles for individual multi-modal characterization using AFM, SEM and Raman spectroscopy. <i>Lab on A Chip</i> , 2019, 19, 2526-2536. | 6.0 | 48 |
| 13 | Highly Porous Nanocrystalline UiO-66 Thin Films via Coordination Modulation Controlled Step-by-Step Liquid-Phase Growth. <i>Crystal Growth and Design</i> , 2019, 19, 1738-1747. | 3.0 | 18 |
| 14 | Systematic Comparison of Zwitterionic and Non-Zwitterionic Antifouling Polymer Brushes on a Bead-Based Platform. <i>Langmuir</i> , 2019, 35, 1181-1191. | 3.5 | 78 |
| 15 | Effect of Internal Heteroatoms on Level Alignment at Metal/Molecular Monolayer/Si Interfaces. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3312-3325. | 3.1 | 7 |
| 16 | One-Step Generation of Reactive Superhydrophobic Surfaces via SiHCl ₃ -Based Silicone Nanofilaments. <i>Langmuir</i> , 2018, 34, 13505-13513. | 3.5 | 12 |
| 17 | One-Pot Gram-Scale Synthesis of Hydrogen-Terminated Silicon Nanoparticles. <i>Chemistry of Materials</i> , 2018, 30, 6503-6512. | 6.7 | 30 |
| 18 | Quantitative and Orthogonal Formation and Reactivity of SuFEx Platforms. <i>Chemistry - A European Journal</i> , 2018, 24, 10550-10556. | 3.3 | 37 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | High electrical conductivity and high porosity in a Guest@MOF material: evidence of TCNQ ordering within Cu ₃ BTC ₂ micropores. Chemical Science, 2018, 9, 7405-7412. | 7.4 | 73 |
| 20 | Mild Photochemical Biofunctionalization of Glass Microchannels. Langmuir, 2017, 33, 8624-8631. | 3.5 | 10 |
| 21 | Organic Monolayers by B(C ₆ F ₅) ₃ -Catalyzed Siloxanation of Oxidized Silicon Surfaces. Langmuir, 2017, 33, 2185-2193. | 3.5 | 23 |
| 22 | Mild and Selective C-H Activation of COC Microfluidic Channels Allowing Covalent Multifunctional Coatings. ACS Applied Materials & Interfaces, 2017, 9, 16644-16650. | 8.0 | 13 |
| 23 | Universal Calibration of Computationally Predicted N 1s Binding Energies for Interpretation of XPS Experimental Measurements. Langmuir, 2017, 33, 10792-10799. | 3.5 | 49 |
| 24 | Approach Matters: The Kinetics of Interfacial Inverse-Electron Demand Diels-Alder Reactions. Chemistry - A European Journal, 2017, 23, 13015-13022. | 3.3 | 11 |
| 25 | Water-repairable zwitterionic polymer coatings for anti-biofouling surfaces. Journal of Materials Chemistry B, 2017, 5, 6728-6733. | 5.8 | 58 |
| 26 | High-Density Modification of H-Terminated Si(111) Surfaces Using Short-Chain Alkynes. Langmuir, 2017, 33, 14599-14607. | 3.5 | 13 |
| 27 | Fluorinated alkyne-derived monolayers on oxide-free silicon nanowires via one-step hydrosilylation. Applied Surface Science, 2016, 387, 1202-1210. | 6.1 | 11 |
| 28 | Highly Polymer-Repellent yet Atomically Flat Surfaces Based on Organic Monolayers with a Single Fluorine Atom. Advanced Materials Interfaces, 2016, 3, 1500514. | 3.7 | 7 |
| 29 | Local Light-Induced Modification of the Inside of Microfluidic Glass Chips. Langmuir, 2016, 32, 2389-2398. | 3.5 | 16 |
| 30 | Controlled Fabrication of Polypyrrole Surfaces with Overhang Structures by Colloidal Templating. ACS Applied Materials & Interfaces, 2015, 7, 16507-16517. | 8.0 | 15 |
| 31 | Effect of H-Heteroatoms on the Formation of Alkene-Derived Monolayers on Si(111): A Combined Experimental and Theoretical Study. Langmuir, 2015, 31, 8318-8327. | 3.5 | 8 |
| 32 | Covalent Surface Modification of Oxide Surfaces. Angewandte Chemie - International Edition, 2014, 53, 6322-6356. | 13.8 | 704 |
| 33 | Hydrolytic and Thermal Stability of Organic Monolayers on Various Inorganic Substrates. Langmuir, 2014, 30, 5829-5839. | 3.5 | 86 |
| 34 | Kovalente Oberflächenmodifikationen von Oxiden. Angewandte Chemie, 2014, 126, 6438-6474. | 2.0 | 50 |
| 35 | Plasma Micro-Nanotextured, Scratch, Water and Hexadecane Resistant, Superhydrophobic, and Superamphiphobic Polymeric Surfaces with Perfluorinated Monolayers. ACS Applied Materials & Interfaces, 2014, 6, 6510-6524. | 8.0 | 165 |
| 36 | Light-Activated Electroactive Molecule-Based Memory Microcells Confined on a Silicon Surface. Angewandte Chemie - International Edition, 2013, 52, 12024-12027. | 13.8 | 17 |

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|----|---|-----|-----------|
| 37 | Mono-Fluorinated Alkyne-Derived SAMs on Oxide-Free Si(111) Surfaces: Preparation, Characterization and Tuning of the Si Workfunction. Langmuir, 2013, 29, 570-580. | 3.5 | 36 |
| 38 | Organic Monolayers from 1-Alkynes Covalently Attached to Chromium Nitride: Alkyl and Fluoroalkyl Termination. Langmuir, 2013, 29, 10393-10404. | 3.5 | 9 |
| 39 | Highly wear-resistant ultra-thin per-fluorinated organic monolayers on silicon(111) surfaces. Applied Surface Science, 2013, 287, 159-164. | 6.1 | 10 |
| 40 | Covalently Attached Organic Monolayers onto Silicon Carbide from 1-Alkynes: Molecular Structure and Tribological Properties. Langmuir, 2013, 29, 4019-4031. | 3.5 | 32 |
| 41 | Effect of Doping Density on the Charge Rearrangement and Interface Dipole at the Molecule-Silicon Interface. Journal of Physical Chemistry C, 2013, 117, 22422-22427. | 3.1 | 13 |
| 42 | Tribology and Stability of Organic Monolayers on CrN: A Comparison among Silane, Phosphonate, Alkene, and Alkyne Chemistries. Langmuir, 2013, 29, 10405-10415. | 3.5 | 15 |
| 43 | Light-Activated Electroactive Molecule-Based Memory Microcells Confined on a Silicon Surface. Angewandte Chemie, 2013, 125, 12246-12249. | 2.0 | 3 |
| 44 | Ultralow Adhesion and Friction of Fluoro-Hydro Alkyne-Derived Self-Assembled Monolayers on H-Terminated Si(111). Langmuir, 2012, 28, 17690-17700. | 3.5 | 60 |
| 45 | Hexadecadienyl Monolayers on Hydrogen-Terminated Si(111): Faster Monolayer Formation and Improved Surface Coverage Using the Enyne Moiety. Langmuir, 2012, 28, 6577-6588. | 3.5 | 31 |
| 46 | Biofunctional Silicon Nanoparticles by Means of Thiol-Ene Click Chemistry. Chemistry - an Asian Journal, 2011, 6, 2776-2786. | 3.3 | 68 |
| 47 | Dynamics of Singlet Fission in Tetracene and Triplet Transfer to Silicon. , 0, , . | | 0 |
| 48 | Dynamics of Singlet Fission in Tetracene and Triplet Transfer to Silicon. , 0, , . | | 0 |