

Sasanka Dalapati

List of Publications by Year in descending order

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47
papers

5,887
citations

218592

26
h-index

206029

48
g-index

51
all docs

51
docs citations

51
times ranked

5668
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-Free Chemoselective Reduction of Nitroarenes Catalyzed by Covalent Triazine Frameworks: The Role of Embedded Heteroatoms. ACS Applied Materials & Interfaces, 2022, 14, 15287-15297.	4.0	6
2	Metforminâ€Templated Nanoporous ZnO and Covalent Organic Framework Heterojunction Photoanode for Photoelectrochemical Water Oxidation. ChemSusChem, 2021, 14, 408-416.	3.6	45
3	A lanthanide-functionalized covalent triazine framework as a physiological molecular thermometer. Journal of Materials Chemistry C, 2021, 9, 6436-6444.	2.7	12
4	Covalent Organic Frameworks: Design, Synthesis, and Functions. Chemical Reviews, 2020, 120, 8814-8933.	23.0	1,968
5	A Thiadiazole-Based Covalent Organic Framework: A Metal-Free Electrocatalyst toward Oxygen Evolution Reaction. ACS Catalysis, 2020, 10, 5623-5630.	5.5	140
6	Highâ€Precision Size Recognition and Separation in Synthetic 1D Nanochannels. Angewandte Chemie - International Edition, 2019, 58, 15922-15927.	7.2	50
7	Highâ€Precision Size Recognition and Separation in Synthetic 1D Nanochannels. Angewandte Chemie, 2019, 131, 16069-16074.	1.6	13
8	Long-chain solid organic polysulfide cathode for high-capacity secondary lithium batteries. Energy Storage Materials, 2018, 12, 30-36.	9.5	31
9	A new triazine based Î€-conjugated mesoporous 2D covalent organic framework: its<i>in vitro</i> anticancer activities. Chemical Communications, 2018, 54, 11475-11478.	2.2	37
10	Two-dimensional sp ² carbonâ€conjugated covalent organic frameworks. Science, 2017, 357, 673-676.	6.0	866
11	Two- and Three-dimensional Covalent Organic Frameworks (COFs). , 2017, , 271-290.		0
12	Highly Emissive Covalent Organic Frameworks. Journal of the American Chemical Society, 2016, 138, 5797-5800.	6.6	501
13	Charge Up in Wired Covalent Organic Frameworks. ACS Central Science, 2016, 2, 586-587.	5.3	27
14	Luminescent Porous Polymers Based on Aggregationâ€Induced Mechanism: Design, Synthesis and Functions. Small, 2016, 12, 6513-6527.	5.2	96
15	Selective colorimetric sensing of fluoride ion and its use for insitu cyclization of the sensor. Inorganica Chimica Acta, 2015, 429, 39-45.	1.2	23
16	Rational design of crystalline supermicroporous covalent organic frameworks with triangular topologies. Nature Communications, 2015, 6, 7786.	5.8	274
17	Anion recognition by simple chromogenic and chromo-fluorogenic salicylidene Schiff base or reduced-Schiff base receptors. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 129, 499-508.	2.0	69
18	Interaction of a potential chloride channel blocker with a model transport protein: a spectroscopic and molecular docking investigation. Physical Chemistry Chemical Physics, 2014, 16, 8465.	1.3	41

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19	Two-Dimensional Tetrathiafulvalene Covalent Organic Frameworks: Towards Latticed Conductive Organic Salts. <i>Chemistry - A European Journal</i> , 2014, 20, 14608-14613.	1.7	147
20	Synthesis, crystal structure and spectroscopic studies of a cobalt(III) Schiff base complex and its use as a heterogeneous catalyst for the oxidation reaction under mild condition. <i>Journal of Molecular Catalysis A</i> , 2013, 380, 94-103.	4.8	22
21	Spectral properties of a simple azine Schiff base and its sensing ability towards protic environment through hydrogen bonding interaction. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 115, 219-226.	2.0	12
22	Solvent modulated photophysics of 9-methyl anthroate: Exploring the effect of polarity and hydrogen bonding on the emissive state. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 112, 237-244.	2.0	21
23	An Azine-Linked Covalent Organic Framework. <i>Journal of the American Chemical Society</i> , 2013, 135, 17310-17313.	6.6	706
24	Test kit for detection of biologically important anions: A salicylidene-hydrazine based Schiff base. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 102, 314-318.	2.0	28
25	Excited State Intramolecular Charge Transfer Suppressed Proton Transfer Process in 4-(Diethylamino)-2-hydroxybenzaldehyde. <i>Journal of Physical Chemistry A</i> , 2013, 117, 4367-4376.	1.1	48
26	Excited state intramolecular charge transfer process in 5-(4-dimethylamino-phenyl)-penta-2,4-dienoic acid ethyl ester and effect of acceptor functional groups. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 261, 31-40.	2.0	21
27	Functional group induced excited state intramolecular proton transfer process in 4-amino-2-methylsulfanyl-pyrimidine-5-carboxylic acid ethyl ester: a combined spectroscopic and density functional theory study. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 1636-1648.	1.6	21
28	Proton Transfer Assisted Charge Transfer Phenomena in Photochromic Schiff Bases and Effect of NEt_2 Groups to the Anil Schiff Bases. <i>Journal of Physical Chemistry A</i> , 2012, 116, 10948-10958.	1.1	80
29	A Multifunctional Porous Organic Schottky Barrier Diode. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12534-12537.	7.2	37
30	Reduced Schiff-base assisted novel dihydrogenphosphate-water polymer. <i>CrystEngComm</i> , 2012, 14, 6029.	1.3	10
31	Reusable Amine-Based Structural Motifs for Green House Gas (CO_2) Fixation. <i>Organic Letters</i> , 2012, 14, 3244-3247.	2.4	14
32	Exploring structural change of protein bovine serum albumin by external perturbation using extrinsic fluorescence probe: spectroscopic measurement, molecular docking and molecular dynamics simulation. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 323-332.	1.6	54
33	An efficient size-selective anion binding cleft-shaped receptor: A novel $[\text{F}_2(\text{H}_2\text{O})_3]^{2-}$ cluster with pseudo-encapsulated F^- ion. <i>CrystEngComm</i> , 2012, 14, 1527-1530.	1.3	14
34	Potential charge transfer probe induced conformational changes of model plasma protein human serum albumin: Spectroscopic, molecular docking, and molecular dynamics simulation study. <i>Biopolymers</i> , 2012, 97, 766-777.	1.2	27
35	A Molecular Lock and Key: Unlocked-Locked-Conformational Switching of a Receptor by Anions. <i>ChemPlusChem</i> , 2012, 77, 93-97.	1.3	9
36	Spectroscopic, colorimetric and theoretical investigation of Salicylidene hydrazine based reduced Schiff base and its application towards biologically important anions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 92, 131-136.	2.0	24

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37	Reusable anion detection kit: An aqueous medium anion detection. <i>Sensors and Actuators B: Chemical</i> , 2012, 162, 57-62.	4.0	17
38	Study of microheterogeneous environment of protein Human Serum Albumin by an extrinsic fluorescent reporter: A spectroscopic study in combination with Molecular Docking and Molecular Dynamics Simulation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012, 112, 48-58.	1.7	44
39	Binding interaction between plasma protein bovine serum albumin and flexible charge transfer fluorophore: A spectroscopic study in combination with molecular docking and molecular dynamics simulation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 231, 19-27.	2.0	60
40	Selective anion recognition by inhibition of excited state intramolecular proton transfer process via hydrogen bonding interaction and efficient deprotonation: Spectroscopic and theoretical investigation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 232, 64-72.	2.0	9
41	Fluorescent chemosensor for Zn(II) ion by ratiometric displacement of Cd(II) ion: A spectroscopic study and DFT calculation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 238, 7-15.	2.0	32
42	Colorimetric "Naked-eye" Highly Selective Detection of Cu(II) Ion by a Simple Chemosensor: An Experimental and Theoretical Modeling. <i>Chemistry Letters</i> , 2011, 40, 279-281.	0.7	15
43	Multifunctional fluorescent probe selective for Cu(II) and Fe(III) with dual-mode of binding approach. <i>Sensors and Actuators B: Chemical</i> , 2011, 160, 1106-1111.	4.0	67
44	Photoinduced intramolecular charge transfer phenomena in 5-(4-dimethylamino-phenyl)-penta-2,4-dienoic acid. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 78, 463-468.	2.0	25
45	Excited State Charge Transfer reaction with dual emission from 5-(4-dimethylamino-phenyl)-penta-2,4-dienitrile: Spectral measurement and theoretical density functional theory calculation. <i>Journal of Molecular Structure</i> , 2011, 998, 136-143.	1.8	25
46	Naked-eye detection of F ⁻ and AcO ⁻ ions by Schiff base receptor. <i>Journal of Fluorine Chemistry</i> , 2011, 132, 536-540.	0.9	52
47	Highly selective and sensitive fluorescence reporter for toxic Hg(II) ion by a synthetic symmetrical azine derivative. <i>Sensors and Actuators B: Chemical</i> , 2011, 157, 615-620.	4.0	39