

Sugumar Venkataramani

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

353
citations

933447

10
h-index

839539

18
g-index

24
all docs

24
docs citations

24
times ranked

316
citing authors

#	ARTICLE	IF	CITATIONS
1	Photochemistry of 3,6-Didehydropyridazine Biradical – An Untraceable Para Benzyne Analogue. <i>Journal of Physical Chemistry A</i> , 2022, 126, 557-567.	2.5	2
2	Solid-state photochromic arylazopyrazole-based transition metal complexes. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2315-2327.	6.0	12
3	The curious case of the photochemistry of 2-hydroxyphenylazo-3,5-dimethylisoxazole: unravelling the process among tautomerization, photoisomerization, and conformational changes. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 7848-7855.	2.8	2
4	Deciphering Internal and External Conjugation in C ₃ -Symmetric Multiple Azobenzene Connected Systems in Self-Assembly. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	3
5	Pd-Catalyzed Formal [3 + 3] Heteroannulation of Allylic gem-Diacetates: Synthesis of Chromene-Based Natural Products and Exploration of Photochromic Properties. <i>ACS Catalysis</i> , 2022, 12, 963-970.	11.2	7
6	Structure-Property Relationship for Visible Light Bidirectional Photoswitchable Azoheteroarenes and Thermal Stability of Z-Isomers. <i>Journal of Organic Chemistry</i> , 2022, 87, 6541-6551.	3.2	6
7	Light-controlled shape-changing azomacrocycles exhibiting reversible modulation of pyrene fluorescence emission. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 5284-5292.	2.8	3
8	Tuning of Bistability, Thermal Stability of the Metastable States, and Application Prospects in the C ₃ -Symmetric Designs of Multiple Azo(hetero)arenes Systems. <i>Chemistry - A European Journal</i> , 2021, 27, 3463-3472.	3.3	10
9	Thermal unimolecular reactivity pathways in dehydrodiazines radicals. <i>Journal of Physical Organic Chemistry</i> , 2021, 34, e4152.	1.9	0
10	Intermolecular CDC amination of remote and proximal unactivated C ₃ -H bonds through intrinsic substrate reactivity – expanding towards a traceless directing group. <i>Chemical Science</i> , 2021, 12, 15318-15328.	7.4	14
11	Bu ₄ Ni-Catalyzed, Radical-Induced Regioselective N-Alkylations and Arylations of Tetrazoles Using Organic Peroxides/Peresters. <i>Journal of Organic Chemistry</i> , 2020, 85, 2118-2141.	3.2	26
12	Temporal control in tritylation reactions through light-driven variation in chloride ion binding catalysis – a proof of concept. <i>Catalysis Science and Technology</i> , 2020, 10, 7027-7033.	4.1	8
13	Insights on unimolecular and bimolecular reactivity patterns of pyridyl, pyridyl-N-oxide, and pyridinyl radicals through spin density. <i>Computational and Theoretical Chemistry</i> , 2020, 1191, 113025.	2.5	1
14	Arylazo-3,5-dimethylisoxazoles: Azoheteroarene Photoswitches Exhibiting High Z-Isomer Stability, Solid-State Photochromism, and Reversible Light-Induced Phase Transition. <i>Chemistry - A European Journal</i> , 2019, 25, 11924-11932.	3.3	44
15	Reversibly photoswitchable alkoxy azobenzenes connected benzenetricarboxamide discotic liquid crystals with perpetual long range columnar assembly. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 1947-1954.	2.8	16
16	Through bond and through space interactions in dehydro-diazine radicals: a case study of 3c-5e interactions. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 4386-4395.	2.8	7
17	Evaluation of Substituent Effect in Z-Isomer Stability of Arylazo-1-H-3,5-dimethylpyrazoles: Interplay of Steric, Electronic Effects and Hydrogen Bonding. <i>Journal of Organic Chemistry</i> , 2018, 83, 4307-4322.	3.2	55
18	Deciphering Stability of Five-Membered Heterocyclic Radicals: Balancing Act Between Delocalization and Ring Strain. <i>Journal of Physical Chemistry A</i> , 2018, 122, 5464-5476.	2.5	9

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19	Tripodal N-Functionalized Arylazo-3,5-dimethylpyrazole Derivatives of Trimesic Acid: Photochromic Materials for Rewritable Imaging Applications. ChemPhotoChem, 2018, 2, 806-810.	3.0	18
20	Does a Nitrogen Lone Pair Lead to Two Centered-Three Electron (2c-3e) Interactions in Pyridyl Radical Isomers?. Journal of Physical Chemistry A, 2017, 121, 3781-3791.	2.5	9
21	Dehydro-oxazole, thiazole and imidazole radicals: insights into the electronic structure, stability and reactivity aspects. Physical Chemistry Chemical Physics, 2017, 19, 394-407.	2.8	12
22	The 1,2,3-Tridehydrobenzene Triradical: 2B or Not 2B? The Answer is 2A!. Journal of Physical Chemistry A, 2007, 111, 5071-5080.	2.5	32
23	Trifluoro-1,3,5-tridehydrobenzene. Angewandte Chemie - International Edition, 2007, 46, 4888-4893.	13.8	20
24	1,2,3-Tridehydrobenzene. Angewandte Chemie - International Edition, 2005, 44, 6306-6311.	13.8	37