

Atul Pratap Singh

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

454
citations

687363

13
h-index

794594

19
g-index

42
all docs

42
docs citations

42
times ranked

412
citing authors

#	ARTICLE	IF	CITATIONS
1	Extremely selective turn-on fluorescence detection of hypochlorite confirmed by proof-of-principle neurological studies via esterase action in living cells. <i>Analyst</i> , 2013, 138, 2829.	3.5	44
2	Novel sulphur-rich BODIPY systems that enable stepwise fluorescent O-atom turn-on and H ₂ O ₂ neuronal system probing. <i>Chemical Communications</i> , 2012, 48, 7298.	4.1	39
3	A novel, selective, and extremely responsive thienyl-based dual fluorogenic probe for tandem superoxide and Hg ²⁺ chemosensing. <i>Dalton Transactions</i> , 2013, 42, 3285-3290.	3.3	36
4	Eosin-Y and sulfur-codoped g-C ₃ N ₄ composite for photocatalytic applications: the regeneration of NADH/NADPH and the oxidation of sulfide to sulfoxide. <i>Catalysis Science and Technology</i> , 2021, 11, 6401-6410.	4.1	29
5	Synthesis, Characterization, and Structural Studies of Mixed-Ligand Diorganotin Esters, [R ₂ Sn(OP(O)(OH)Ph)(OS(O) ₂ R ¹)] _n [R = <i>n</i> -Bu, R ¹ = Me (1), <i>n</i> -Pr (2); R = Et, R ¹ = Me (3)] with 1D and 3D Coordination Polymeric Motifs. <i>Inorganic Chemistry</i> , 2008, 47, 5930-5935.	4.0	24
6	Expanding the Scope of Sulfur-Centered Arbuzov Rearrangement in Diethyl/Di- <i>n</i> -propyl Sulfite for the Synthesis of Mixed-Ligand Di- <i>n</i> -butyltin Alkanesulfonates. <i>Inorganic Chemistry</i> , 2006, 45, 9166-9168.	4.0	22
7	Facile Synthesis of Novel Two- And Three-Dimensional Coordination Polymers Containing Dialkyltin Phosphonate-Based Tri/Tetra-Nuclear Clusters with Appended Sulfonate Groups. <i>Inorganic Chemistry</i> , 2009, 48, 3608-3616.	4.0	21
8	Rational design of a graphitic carbon nitride catalytic biocatalytic system as a photocatalytic platform for solar fine chemical production from CO ₂ . <i>Reaction Chemistry and Engineering</i> , 2022, 7, 1566-1572.	3.7	20
9	Self-assembled protein/carbon nitride/sulfur hydrogel photocatalyst for highly selective solar chemical production. <i>Materials Letters</i> , 2020, 259, 126752.	2.6	18
10	Complexation of an Azo Dye by Cyclodextrins: A Potential Strategy for Water Purification. <i>ACS Omega</i> , 2021, 6, 4776-4782.	3.5	18
11	Flexible covalent porphyrin framework film: An emerged platform for photocatalytic C-H bond activation. <i>Applied Surface Science</i> , 2021, 544, 148938.	6.1	18
12	Novel molecular tools to discriminate Fe ³⁺ and Fe ²⁺ by fluorescence via turn-on responses within neuronal cells. <i>Sensors and Actuators B: Chemical</i> , 2013, 185, 755-761.	7.8	17
13	Fabrication of Graphitic Carbon Nitride-Based Film: An Emerged Highly Efficient Catalyst for Direct C-H Arylation under Solar Light. <i>Chinese Journal of Chemistry</i> , 2021, 39, 633-639.	4.9	17
14	Synthesis, characterization and structural studies of mixed-ligand di- <i>n</i> -butyltin alkanesulfonate derivatives, [n-Bu ₂ Sn(X)OS(O) ₂ R] ₂ [R=Et, n-Pr; X=acac, 4-OMe-O ₂ CC ₉ H ₅ N-2, O ₂ CC ₉ H ₆ N-2, O ₂ CC ₉ H ₆ N-1]. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 5555-5562.	1.8	12
15	A highly sensitive coumarin-thiophene hybrid chemosensor for sensing of H ₂ O ₂ and aluminium. <i>Dyes and Pigments</i> , 2021, 194, 109596.	3.7	11
16	Recipe for New Diorganostannates, [R ₂ Sn(OS(O) ₂ R ¹) ₄] ₂ , Bearing Alkanesulfonate Groups Using Dialkyl Sulfite as the Reagent. <i>Inorganic Chemistry</i> , 2008, 47, 790-792.	4.0	10
17	The inorganic DMSO/POCl ₃ reaction with BODIPY: wide product formation and implications for biological ROS sensing and neurodegenerative disease research. <i>Journal of Porphyrins and Phthalocyanines</i> , 2012, 16, 1201-1208.	0.8	9
18	X-ray crystallographic, electrochemical, quantum chemical and anti-microbial analysis of fluorescein based Schiff base. <i>Journal of Molecular Structure</i> , 2020, 1221, 128762.	3.6	9

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19	Metal-Free Intermolecular C _{sp} -N _{succ} Bond Coupling of Highly Substituted Furancarbaldehydes and Their Use in meso-Substituted BODIPY Synthesis. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 931-939.	2.4	8
20	Synthesis and characterization of di-/triorgano stannates bearing tin-sulfonate bonds. <i>Inorganica Chimica Acta</i> , 2012, 387, 420-425.	2.4	7
21	Model for prediction of death rate due to COVID-19 transmission and required precautions. <i>Materials Today: Proceedings</i> , 2021, 37, 2318-2320.	1.8	7
22	Diorganotin Sulfonate and Phosphonate-Based Coordination Polymers. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2011, 186, 1375-1378.	1.6	6
23	Facile C-C bond cleavage of 1,2-diketones by tin(IV) porphyrin complex. <i>Tetrahedron Letters</i> , 2012, 53, 6456-6459.	1.4	6
24	Turn-On Sensing Behaviour of an In Situ Generated Fluorescein-Based Probe and Its Preferential Selectivity of Sodium Hypochlorite over tert-Butyl Hydroperoxide in Lung Adenocarcinoma Cells. <i>ChemistrySelect</i> , 2020, 5, 1264-1268.	1.5	6
25	Synthesis of highly efficient selenium oxide hybridized g-C ₃ N ₄ photocatalyst for NADH/NADPH regeneration to facilitate solar-to-chemical reaction. <i>Main Group Chemistry</i> , 2022, 21, 1077-1089.	0.8	6
26	A review on derivatives of fluorescein aldehydes and their applications. <i>Materials Today: Proceedings</i> , 2022, 61, 1093-1099.	1.8	5
27	A review on polymer hydrogel and polymer microneedle based transdermal drug delivery system. <i>Materials Today: Proceedings</i> , 2022, 61, 1061-1066.	1.8	5
28	In Situ Prepared Solar Light-Driven Flexible Actuated Carbon Cloth-Based Nanorod Photocatalyst for Selective Radical Radical Coupling to Vinyl Sulfides. <i>Photochemistry and Photobiology</i> , 2021, 97, 955-962.	2.5	4
29	Experimental and theoretical observations of alkylated EOSIN based turn-on superoxide sensor as well as its anti-microbial study. <i>Main Group Chemistry</i> , 2021, 20, 623-632.	0.8	4
30	In-situ Prepared 2D Covalent Organic Framework as a Photocatalyst in the Photocatalytic-Biocatalytic Attached System for Highly Selective L-Glutamate Production under Solar Light. <i>Advanced Materials Letters</i> , 2020, 11, 1-4.	0.6	3
31	Bis(methanesulfonato- λ^5 O)(5,10,15,20-tetraphenylporphyrinato- λ^4 N,N,N',N')tin(IV) chloroform trisolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, m626-m626.	0.2	2
32	Therapeutic approaches in COVID-19 followed before arrival of any vaccine. <i>Materials Today: Proceedings</i> , 2022, 48, 1258-1264.	1.8	2
33	Fluorescein dye derivative: Synthesis, characterization, quantum chemical and promising antimicrobial activity studies. <i>Journal of Heterocyclic Chemistry</i> , 2021, 58, 2381-2389.	2.6	2
34	Presence of medicinal materials in drinking water: A review. <i>Materials Today: Proceedings</i> , 2022, 61, 1067-1072.	1.8	2
35	Greener One-step Synthesis of Novel In Situ Selenium-doped Framework Photocatalyst by Melem and Perylene Dianhydride for Enhanced Solar Fuel Production from CO ₂ . <i>Photochemistry and Photobiology</i> , 2022, 98, 998-1007.	2.5	2
36	Metal organic frameworks based light harvesting material for generation of hydrogen energy. <i>Materials Today: Proceedings</i> , 2021, , .	1.8	1

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37	Photocatalytic activity of ultrathin 2DPNs for enzymatically generating formic acid from CO ₂ and C≡S/C≡N bond formation. Sustainable Energy and Fuels, 0, , .	4.9	1
38	An Ultrasound-Assisted Solvent and Catalyst-Free Synthesis of Structurally Diverse Pyrazole Centered 1,5-disubstituted Tetrazoles via One-Pot Four-Component Reaction. Letters in Organic Chemistry, 2022, 19, 795-802.	0.5	1
39	Synthesis and Crystal Structure of 5,15-Bis(3,5-di-tert-butylphenyl)-10-(phenylethynyl)-20-(trimethylsilylethynyl)porphyrin. X-ray Structure Analysis Online, 2010, 26, 23-24.	0.2	0
40	A review on sulphur based fluorescent material and its application in sensing. Materials Today: Proceedings, 2021, , .	1.8	0
41	5,15-Bis(3,5-di-tert-butylphenyl)-10,20-bis(phenylethynyl)porphyrin. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o3004-o3005.	0.2	0
42	Synthesis, characterization of dialkylated erythrosin derivatives and their utility as a propitious anti-microbial agent. Main Group Chemistry, 2022, , 1-9.	0.8	0