

# Atul Pratap Singh

## List of Publications by Year in descending order

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42  
papers

454  
citations

687363

13  
h-index

794594

19  
g-index

42  
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42  
docs citations

42  
times ranked

412  
citing authors

#	ARTICLE	IF	CITATIONS
1	Therapeutic approaches in COVID-19 followed before arrival of any vaccine. <i>Materials Today: Proceedings</i> , 2022, 48, 1258-1264.	1.8	2
2	Presence of medicinal materials in drinking water: A review. <i>Materials Today: Proceedings</i> , 2022, 61, 1067-1072.	1.8	2
3	A review on derivatives of fluorescein aldehydes and their applications. <i>Materials Today: Proceedings</i> , 2022, 61, 1093-1099.	1.8	5
4	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
5	Synthesis of highly efficient selenium oxide hybridized g-C <sub>3</sub> N <sub>4</sub> photocatalyst for NADH/NADPH regeneration to facilitate solar-to-chemical reaction. <i>Main Group Chemistry</i> , 2022, 21, 1077-1089.	0.8	6
6	Rational design of a graphitic carbon nitride catalytic biocatalytic system as a photocatalytic platform for solar fine chemical production from CO <sub>2</sub> . <i>Reaction Chemistry and Engineering</i> , 2022, 7, 1566-1572.	3.7	20
7	Greener One-step Synthesis of Novel In Situ Selenium-doped Framework Photocatalyst by Melem and Perylene Dianhydride for Enhanced Solar Fuel Production from CO <sub>2</sub> . <i>Photochemistry and Photobiology</i> , 2022, 98, 998-1007.	2.5	2
8	An Ultrasound-Assisted Solvent and Catalyst-Free Synthesis of Structurally Diverse Pyrazole Centered 1,5-disubstituted Tetrazoles via One-Pot Four-Component Reaction. <i>Letters in Organic Chemistry</i> , 2022, 19, 795-802.	0.5	1
9	Synthesis, characterization of dialkylated erythrosin derivatives and their utility as a propitious anti-microbial agent. <i>Main Group Chemistry</i> , 2022, , 1-9.	0.8	0
10	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
11	Eosin-Y and sulfur-codoped g-C <sub>3</sub> N <sub>4</sub> 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
12	Complexation of an Azo Dye by Cyclodextrins: A Potential Strategy for Water Purification. <i>ACS Omega</i> , 2021, 6, 4776-4782.	3.5	18
13	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
14	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
15	Metal organic frameworks based light harvesting material for generation of hydrogen energy. <i>Materials Today: Proceedings</i> , 2021, , .	1.8	1
16	A review on sulphur based fluorescent material and its application in sensing. <i>Materials Today: Proceedings</i> , 2021, , .	1.8	0
17	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
18	A highly sensitive coumarin-thiophene hybrid chemosensor for sensing of H <sub>2</sub> O <sub>2</sub> and aluminium. <i>Dyes and Pigments</i> , 2021, 194, 109596.	3.7	11

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19	Model for prediction of death rate due to COVID-19 transmission and required precautions. Materials Today: Proceedings, 2021, 37, 2318-2320.	1.8	7
20	Experimental and theoretical observations of alkylated EOSIN based "turn-on" superoxide sensor as well as its anti-microbial study. Main Group Chemistry, 2021, 20, 623-632.	0.8	4
21	Self-assembled protein/carbon nitride/sulfur hydrogel photocatalyst for highly selective solar chemical production. Materials Letters, 2020, 259, 126752.	2.6	18
22	X-ray crystallographic, electrochemical, quantum chemical and anti-microbial analysis of fluorescein based Schiff base. Journal of Molecular Structure, 2020, 1221, 128762.	3.6	9
23	"Turn-On" Sensing Behaviour of an In Situ Generated Fluorescein-Based Probe and Its Preferential Selectivity of Sodium Hypochlorite over <i>tert</i> -Butyl Hydroperoxide in Lung Adenocarcinoma Cells. ChemistrySelect, 2020, 5, 1264-1268.	1.5	6
24	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. Advanced Materials Letters, 2020, 11, 1-4.	0.6	3
25	Novel molecular tools to discriminate Fe <sup>3+</sup> and Fe <sup>2+</sup> by fluorescence via "turn-on" responses within neuronal cells. Sensors and Actuators B: Chemical, 2013, 185, 755-761.	7.8	17
26	A novel, selective, and extremely responsive thienyl-based dual fluorogenic probe for tandem superoxide and Hg <sup>2+</sup> chemosensing. Dalton Transactions, 2013, 42, 3285-3290.	3.3	36
27	Extremely selective "turn-on" fluorescence detection of hypochlorite confirmed by proof-of-principle neurological studies via esterase action in living cells. Analyst, The, 2013, 138, 2829.	3.5	44
28	The inorganic DMSO/POCl <sub>3</sub> reaction with BODIPY: wide product formation and implications for biological ROS sensing and neurodegenerative disease research. Journal of Porphyrins and Phthalocyanines, 2012, 16, 1201-1208.	0.8	9
29	Bis(methanesulfonato- <sup>16</sup> O)(5,10,15,20-tetraphenylporphyrinato- <sup>14</sup> N,N <sup>2</sup> ,N <sup>2</sup> ,N <sup>2</sup> )tin(IV) chloroform trisolvate, Acta Crystallographica Section E: Structure Reports Online, 2012, 68, m626-m626.	0.2	2
30	Facile C-C bond cleavage of <sup>12</sup> -diketones by tin(IV) porphyrin complex. Tetrahedron Letters, 2012, 53, 6456-6459.	1.4	6
31	Novel sulphur-rich BODIPY systems that enable stepwise fluorescent O-atom turn-on and H <sub>2</sub> O <sub>2</sub> neuronal system probing. Chemical Communications, 2012, 48, 7298.	4.1	39
32	Synthesis and characterization of di-/triorgano stannates bearing tin-sulfonate bonds. Inorganica Chimica Acta, 2012, 387, 420-425.	2.4	7
33	Metal-Free Intermolecular C <sub>fur</sub> -N <sub>succ</sub> Bond Coupling of Highly Substituted 3-Furancarbaldehydes and Their Use in <i>meso</i> -Substituted BODIPY Synthesis. European Journal of Organic Chemistry, 2012, 2012, 931-939.	2.4	8
34	Diorganotin Sulfonate and Phosphonate-Based Coordination Polymers. Phosphorus, Sulfur and Silicon and the Related Elements, 2011, 186, 1375-1378.	1.6	6
35	Synthesis and Crystal Structure of 5,15-Bis(3,5-di- <i>tert</i> -butylphenyl)-10-(phenylethynyl)-20-(trimethylsilylethynyl)porphyrin. X-ray Structure Analysis Online, 2010, 26, 23-24.	0.2	0
36	Facile Synthesis of Novel Two- And Three-Dimensional Coordination Polymers Containing Dialkyltin Phosphonate-Based Tri/Tetra-Nuclear Clusters with Appended Sulfonate Groups. Inorganic Chemistry, 2009, 48, 3608-3616.	4.0	21

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37	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
38	Synthesis, Characterization, and Structural Studies of Mixed-Ligand Diorganotin Esters, $[R_2Sn(OP(O)(OH)Ph)(OS(O)_2R)]_n$ [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. Inorganic Chemistry, 2008, 47, 5930-5935.	4.0	24
39	Recipe for New Diorganostannates, $[R_2Sn(OS(O)_2R)_4]_2$ , Bearing Alkanesulfonate Groups Using Dialkyl Sulfite as the Reagent. Inorganic Chemistry, 2008, 47, 790-792.	4.0	10
40	Synthesis, characterization and structural studies of mixed-ligand di- <i>n</i> -butyltin alkanesulfonate derivatives, $[n-Bu_2Sn(X)OS(O)_2R]_2$ [R=Et, <i>n</i> -Pr; X=acac, 4-OMe- <i>O</i> CC9H5N-2, <i>O</i> CC9H6N-2, <i>O</i> CC9H6N-1]. Journal of Organometallic Chemistry, 2007, 692, 5555-5562.	1.8	12
41	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. Inorganic Chemistry, 2006, 45, 9166-9168.	4.0	22
42	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