

Aparna

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

161
citations

1307594

7
h-index

1281871

11
g-index

33
all docs

33
docs citations

33
times ranked

123
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of dipole moments on the medicinal activities of diverse organic compounds. Journal of the Indian Chemical Society, 2021, 98, 100005.	2.8	27
2	Comparative study of photoluminescence from In _{0.3} Ga _{0.7} As/GaAs surface and buried quantum dots. Nanotechnology, 2016, 27, 465701.	2.6	17
3	Carrier Localization in GaN/AlN Quantum Dots As Revealed by Three-Dimensional Multimicroscopy. Nano Letters, 2017, 17, 4261-4269.	9.1	14
4	Ascorbic Acid-mediated Reactions in Organic Synthesis. Current Organocatalysis, 2020, 7, 212-241.	0.5	14
5	Dipole moment in medicinal research: Green and sustainable approach. , 2020, , 921-964.		13
6	Thione Derivatives as Medicinally Important Compounds. ChemistrySelect, 2021, 6, 9069-9100.	1.5	11
7	Versatile thiosugars in medicinal chemistry. , 2020, , 549-574.		9
8	Organocatalysis: A recent development on stereoselective synthesis of o-glycosides. Catalysis Reviews - Science and Engineering, 2024, 66, 1-118.	12.9	9
9	Performance Improvement of AlN ^ε GaN-Based Intersubband Detectors by Using Quantum Dots. IEEE Photonics Technology Letters, 2010, 22, 1087-1089.	2.5	8
10	LED Light Sources in Organic Synthesis: An Entry to a Novel Approach. Letters in Organic Chemistry, 2022, 19, 283-292.	0.5	6
11	Optical properties of bimodally distributed InAs quantum dots grown on digital AlAs _{0.56} Sb _{0.44} matrix for use in intermediate band solar cells. Journal of Applied Physics, 2017, 121, 214304.	2.5	5
12	Recent Developments in Semipolar InGaN Laser Diodes. Semiconductors, 2021, 55, 272-282.	0.5	5
13	Versatile Synthesis of Organic Compounds Derived from Ascorbic Acid. Current Organocatalysis, 2022, 9, 14-33.	0.5	5
14	III-nitride nanostructures for optical gas detection and pH sensing. Proceedings of SPIE, 2013, , .	0.8	4
15	High Precision, Electrochemical Detection of Reversible Binding of Recombinant Proteins on Wide Bandgap GaN Electrodes Functionalized with Biomembrane Models. Advanced Functional Materials, 2014, 24, 4927-4934.	14.9	4
16	Microwave-Induced Surface-Mediated Highly Efficient Regioselective Nitration of Aromatic Compounds: Effects of Penetration Depth. Asian Journal of Chemistry, 2021, 33, 2203-2206.	0.3	4
17	A Novel Baker [™] s Yeast-Mediated Microwave-Induced Reduction of Racemic 3-Keto-2-Azetidinones: Facile Entry to Optically Active Hydroxy β -Lactam Derivatives. Current Organocatalysis, 2022, 9, 195-198.	0.5	4
18	Microwave-induced biocatalytic reactions toward medicinally important compounds. ChemistrySelect, 2022, 7, 507-538.	1.5	1

#	ARTICLE	IF	CITATIONS
19	Semiconductor characteristics of tellurium and its implementations. ChemistrySelect, 2023, 8, 4659-4687.	1.5	1
20	Performance improvement of AlN/GaN-based intersubband detectors thanks to quantum dot active regions. Proceedings of SPIE, 2010, , .	0.8	0
21	Microwave-assisted oxidation and reduction reactions. , 2021, , 199-244.		0
22	Future trends in microwave chemistry and biology. , 2021, , 375-384.		0
23	Microwave-assisted synthesis of oxygen- and sulfur-containing organic compounds. , 2021, , 107-142.		0
24	Modeling and interpreting microwave effects. , 2021, , 61-104.		0
25	Microwave-assisted CVD processes for diamond synthesis. , 2021, , 329-374.		0
26	Advances in heterocycles as DNA intercalating cancer drugs. ChemistrySelect, 2021, .	1.5	0
27	Conceptual design and cost-efficient environmentally Benign synthesis of beta-lactams. ChemistrySelect, 2022, .	1.5	0
28	Tellurium in carbohydrate synthesis. ChemistrySelect, 2022, .	1.5	0
29	Tellurium-based chemical sensors. ChemistrySelect, 2022, .	1.5	0
30	Tellurium-based solar cells. ChemistrySelect, 2022, .	1.5	0
31	Tellurium-induced cyclization of olefinic compounds. ChemistrySelect, 2022, .	1.5	0
32	Tellurium-induced functional group activation. ChemistrySelect, 2022, .	1.5	0