Ayan Pal

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

11 papers	240 citations	7 h-index	11 g-index
11 ext. papers	353 ext. citations	6 avg, IF	3.94 L-index

#	Paper	IF	Citations
11	Conducting Carbon Dot-Polypyrrole Nanocomposite for Sensitive Detection of Picric acid. *ACS Applied Materials & Interfaces*, **2016**, 8, 5758-62	9.5	62
10	Recent advances in crystalline carbon dots for superior application potential. *Materials Advances*, **2020**, 1, 525-553	3.3	37
9	Phosphorus induced crystallinity in carbon dots for solar light assisted seawater desalination. *Journal of Materials Chemistry A*, **2018**, 6, 4111-4118	13	37
8	Synthesis of single-particle level white-light-emitting carbon dots via a one-step microwave method. *Journal of Materials Chemistry C*, **2018**, 6, 6691-6697	7.1	28
7	Insights on the solvatochromic effects in N-doped yellow-orange emissive carbon dots. *New Journal of Chemistry*, **2018**, 42, 19837-19843	3.6	23
6	Boron Doped Carbon Dots with Unusually High Photoluminescence Quantum Yield for Ratiometric Intracellular pH Sensing. *ChemPhysChem*, **2019**, 20, 1018-1027	3.2	21
5	Emergence of sulfur quantum dots: Unfolding their synthesis, properties, and applications. *Advances in Colloid and Interface Science*, **2020**, 285, 102274	14.3	16
4	Review Aggregation-Induced Emission in Carbon Dots for Potential Applications. *ECS Journal of Solid State Science and Technology*, **2021**, 10, 021001	2	6
3	Zinc Ion-Induced Assembly of Crystalline Carbon Dots with Excellent Supercapacitor Performance. *Journal of Physical Chemistry C*, **2019**, 123, 19421-19428	3.8	5
2	Complexation-Based Super Crystalline Assembly of Zinc Oxide Quantum Dots for Sensitive Carbon Dioxide Gas Sensing. *Journal of Physical Chemistry C*, **2021**, 125, 12316-12323	3.8	4
1	Luminescent carbogenic dots for the detection and determination of hemoglobin in real samples. *New Journal of Chemistry*, **2020**, 44, 6213-6221	3.6	1