

# Abhijit Nag

## List of Publications by Year in descending order

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papers

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Approaching Materials with Atomic Precision Using Supramolecular Cluster Assemblies. <i>Accounts of Chemical Research</i> , 2019, 52, 2-11.	15.6	152
2	Camouflaging Structural Diversity: Co-crystallization of Two Different Nanoparticles Having Different Cores But the Same Shell. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 189-194.	13.8	80
3	Polymorphism of $\text{Ag}_{29}(\text{BDT})_{12}(\text{TPP})_4^{3+}$ cluster: interactions of secondary ligands and their effect on solid state luminescence. <i>Nanoscale</i> , 2018, 10, 9851-9855.	5.6	61
4	Dissociation of Gas Phase Ions of Atomically Precise Silver Clusters Reflects Their Solution Phase Stability. <i>Journal of Physical Chemistry C</i> , 2017, 121, 10971-10981.	3.1	49
5	Fullerene-Functionalized Monolayer-Protected Silver Clusters: $[\text{Ag}_{29}(\text{BDT})_{12}(\text{C}_{60})_{10}]^{3+}$ ( $n = 1, 2, 3, 4, 5, 6, 7, 8, 9, 10$ )	11.0	784314
6	Isomerism in Supramolecular Adducts of Atomically Precise Nanoparticles. <i>Journal of the American Chemical Society</i> , 2018, 140, 13590-13593.	13.7	40
7	Sequential Dihydrogen Desorption from Hydride-Protected Atomically Precise Silver Clusters and the Formation of Naked Clusters in the Gas Phase. <i>ACS Nano</i> , 2017, 11, 11145-11151.	14.6	35
8	Understanding proton capture and cation-induced dimerization of $[\text{Ag}_{29}(\text{BDT})_{12}]^{3+}$ clusters by ion mobility mass spectrometry. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 7593-7603.	2.8	29
9	Atomically Precise Noble Metal Cluster-Assembled Superstructures in Water: Luminescence Enhancement and Sensing. <i>Journal of Physical Chemistry C</i> , 2020, 124, 22298-22303.	3.1	29
10	Crystallization of a Supramolecular Coassembly of an Atomically Precise Nanoparticle with a Crown Ether. , 2019, 1, 534-540.		27
11	$[\text{Ag}_{59}(2,5\text{-DCBT})_{32}]^{3+}$ : a new cluster and a precursor for three well-known clusters. <i>Nanoscale</i> , 2017, 9, 8240-8248.	5.6	24
12	Interconversions of Structural Isomers of $[\text{PdAu}_8(\text{PPh}_3)_8]^{2+}$ and $[\text{Au}_9(\text{PPh}_3)_8]^{3+}$ Revealed by Ion Mobility Mass Spectrometry. <i>Journal of Physical Chemistry C</i> , 2018, 122, 23123-23128.	3.1	23
13	Rapid isotopic exchange in nanoparticles. <i>Science Advances</i> , 2019, 5, eaau7555.	10.3	21
14	Selective Extraction of Gold by Niacin. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 2129-2135.	6.7	19
15	Assembling Atomically Precise Noble Metal Nanoclusters Using Supramolecular Interactions. <i>ACS Nanoscience Au</i> , 2022, 2, 160-178.	4.8	18
16	A covalently linked dimer of $[\text{Ag}_{25}(\text{DMBT})_{18}]^+$ . <i>Chemical Communications</i> , 2019, 55, 5025-5028.	4.1	17
17	Detection of $[\text{Au}_{25}(\text{PET})_{18}(\text{O})_2]^{+}$ ( $n = 1, 2, 3$ ) Species by Mass Spectrometry. <i>Journal of Physical Chemistry C</i> , 2018, 122, 19455-19462.	3.1	16
18	Bent Keto Form of Curcumin, Preferential Stabilization of Enol by Piperine, and Isomers of Curcumin-Cyclodextrin Complexes: Insights from Ion Mobility Mass Spectrometry. <i>Analytical Chemistry</i> , 2018, 90, 8776-8784.	6.5	15

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19	Gold-Induced Unfolding of Lysozyme: Toward the Formation of Luminescent Clusters. <i>Journal of Physical Chemistry C</i> , 2017, 121, 13335-13344.	3.1	14
20	Manifestation of Structural Differences of Atomically Precise Cluster-Assembled Solids in Their Mechanical Properties. <i>Chemistry of Materials</i> , 2020, 32, 7973-7984.	6.7	14
21	Fullerene-Mediated Aggregation of $M_{25}(SR)_{18}^{\oplus}$ ( $M = Ag, Au$ ) Nanoclusters. <i>Journal of Physical Chemistry C</i> , 2020, 124, 14891-14900.	3.1	13
22	Tribochemical Degradation of Polytetrafluoroethylene in Water and Generation of Nanoplastics. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 17554-17558.	6.7	12
23	Camouflaging Structural Diversity: Co-crystallization of Two Different Nanoparticles Having Different Cores But the Same Shell. <i>Angewandte Chemie</i> , 2019, 131, 195-200.	2.0	9
24	Synergistic Effect in Green Extraction of Noble Metals and Its Consequences. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3072-3079.	2.0	5
25	Monolayer-Protected Noble-Metal Clusters as Potential Standards for Negative-Ion Mass Spectrometry. <i>Analytical Chemistry</i> , 2018, 90, 11351-11357.	6.5	5
26	Ligand structure and charge state-dependent separation of monolayer protected $Au_{25}$ clusters using non-aqueous reversed-phase HPLC. <i>Analyst</i> , 2020, 145, 1337-1345.	3.5	4
27	Isotopic Exchange of Atomically Precise Nanoclusters with Materials of Varying Dimensions: From Nanoscale to Bulk. <i>Journal of Physical Chemistry C</i> , 2021, 125, 16110-16117.	3.1	2