

Abhijit Nag

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9265510/publications.pdf>

Version: 2024-02-01

27
papers

782
citations

567281

15
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

661
citing authors

#	ARTICLE	IF	CITATIONS
1	Assembling Atomically Precise Noble Metal Nanoclusters Using Supramolecular Interactions. ACS Nanoscience Au, 2022, 2, 160-178.	4.8	18
2	Selective Extraction of Gold by Niacin. ACS Sustainable Chemistry and Engineering, 2021, 9, 2129-2135.	6.7	19
3	Isotopic Exchange of Atomically Precise Nanoclusters with Materials of Varying Dimensions: From Nanoscale to Bulk. Journal of Physical Chemistry C, 2021, 125, 16110-16117.	3.1	2
4	Atomically Precise Noble Metal Cluster-Assembled Superstructures in Water: Luminescence Enhancement and Sensing. Journal of Physical Chemistry C, 2020, 124, 22298-22303.	3.1	29
5	Manifestation of Structural Differences of Atomically Precise Cluster-Assembled Solids in Their Mechanical Properties. Chemistry of Materials, 2020, 32, 7973-7984.	6.7	14
6	Fullerene-Mediated Aggregation of $M_{25}(SR)_{18}^{+}$ ($M = Ag, Au$) Nanoclusters. Journal of Physical Chemistry C, 2020, 124, 14891-14900.	3.1	13
7	Ligand structure and charge state-dependent separation of monolayer protected Au_{25} clusters using non-aqueous reversed-phase HPLC. Analyst, The, 2020, 145, 1337-1345.	3.5	4
8	Crystallization of a Supramolecular Coassembly of an Atomically Precise Nanoparticle with a Crown Ether. , 2019, 1, 534-540.		27
9	Tribochemical Degradation of Polytetrafluoroethylene in Water and Generation of Nanoplastics. ACS Sustainable Chemistry and Engineering, 2019, 7, 17554-17558.	6.7	12
10	A covalently linked dimer of $[Ag_{25}(DMBT)_{18}]^{+}$. Chemical Communications, 2019, 55, 5025-5028.	4.1	17
11	Rapid isotopic exchange in nanoparticles. Science Advances, 2019, 5, eaau7555.	10.3	21
12	Camouflaging Structural Diversity: Co-crystallization of Two Different Nanoparticles Having Different Cores But the Same Shell. Angewandte Chemie, 2019, 131, 195-200.	2.0	9
13	Camouflaging Structural Diversity: Co-crystallization of Two Different Nanoparticles Having Different Cores But the Same Shell. Angewandte Chemie - International Edition, 2019, 58, 189-194.	13.8	80
14	Approaching Materials with Atomic Precision Using Supramolecular Cluster Assemblies. Accounts of Chemical Research, 2019, 52, 2-11.	15.6	152
15	Fullerene-Functionalized Monolayer-Protected Silver Clusters: $[Ag_{29}(BDT)_{12}(C_{60})_{3}]^{+}$ ($n = 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100$)	11.0	78431
16	Understanding proton capture and cation-induced dimerization of $[Ag_{29}(BDT)_{12}]^{+}$ clusters by ion mobility mass spectrometry. Physical Chemistry Chemical Physics, 2018, 20, 7593-7603.	2.8	29
17	Isomerism in Supramolecular Adducts of Atomically Precise Nanoparticles. Journal of the American Chemical Society, 2018, 140, 13590-13593.	13.7	40
18	Interconversions of Structural Isomers of $[PdAu_8(PPh_3)_3(C_8)]^{2+}$ and $[Au_9(PPh_3)_3(C_8)]^{3+}$ Revealed by Ion Mobility Mass Spectrometry. Journal of Physical Chemistry C, 2018, 122, 23123-23128.	3.1	23

#	ARTICLE	IF	CITATIONS
19	Monolayer-Protected Noble-Metal Clusters as Potential Standards for Negative-Ion Mass Spectrometry. <i>Analytical Chemistry</i> , 2018, 90, 11351-11357.	6.5	5
20	Detection of $[\text{Au}_{25}(\text{PET})_{18}(\text{O}_2)_{i-n}]^{\sim}$ ($i = 1, 2, 3$) Species by Mass Spectrometry. <i>Journal of Physical Chemistry C</i> , 2018, 122, 19455-19462.	3.1	16
21	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
22	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
23	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
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	$[\text{Ag}_{59}(2,5\text{-DCBT})_{32}]^{3-}$: a new cluster and a precursor for three well-known clusters. <i>Nanoscale</i> , 2017, 9, 8240-8248.	5.6	24
26	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
27	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