

Ganapati Natarajan

List of Publications by Year in descending order

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29
papers

1,449
citations

394286

19
h-index

501076

28
g-index

29
all docs

29
docs citations

29
times ranked

1255
citing authors

#	ARTICLE	IF	CITATIONS
1	Origin of the Boson Peak in Systems with Lattice Disorder. <i>Physical Review Letters</i> , 2001, 86, 1255-1258.	2.9	259
2	Intercluster Reactions between Au ₂₅ (SR) ₁₈ and Ag ₄₄ (SR) ₃₀ . <i>Journal of the American Chemical Society</i> , 2016, 138, 140-148.	6.6	154
3	Structure-conserving spontaneous transformations between nanoparticles. <i>Nature Communications</i> , 2016, 7, 13447.	5.8	106
4	Supramolecular Functionalization and Concomitant Enhancement in Properties of Au ₂₅ Clusters. <i>ACS Nano</i> , 2014, 8, 139-152.	7.3	94
5	Interparticle Reactions: An Emerging Direction in Nanomaterials Chemistry. <i>Accounts of Chemical Research</i> , 2017, 50, 1988-1996.	7.6	85
6	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.	7.2	80
7	A thirty-fold photoluminescence enhancement induced by secondary ligands in monolayer protected silver clusters. <i>Nanoscale</i> , 2018, 10, 20033-20042.	2.8	65
8	Au ₂₂ Ir ₃ (PET) ₁₈ : An Unusual Alloy Cluster through Intercluster Reaction. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2787-2793.	2.1	64
9	Atomically Precise Nanocluster Assemblies Encapsulating Plasmonic Gold Nanorods. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6522-6526.	7.2	57
10	[Au ₂₅ (SR) ₁₈] ₂ ²⁺ : a noble metal cluster dimer in the gas phase. <i>Chemical Communications</i> , 2016, 52, 8397-8400.	2.2	56
11	A Unified Framework for Understanding the Structure and Modifications of Atomically Precise Monolayer Protected Gold Clusters. <i>Journal of Physical Chemistry C</i> , 2015, 119, 27768-27785.	1.5	53
12	Fullerene-Functionalized Monolayer-Protected Silver Clusters: [Ag ₂₉ (BDT) ₁₂ (C ₆₀) _n] ³⁺ (<i>n</i> = 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). <i>Journal of Physical Chemistry C</i> , 2017, 121, 1000-1009.	7.3	49
13	Manifestation of Geometric and Electronic Shell Structures of Metal Clusters in Intercluster Reactions. <i>ACS Nano</i> , 2017, 11, 6015-6023.	7.3	43
14	Isomerism in Supramolecular Adducts of Atomically Precise Nanoparticles. <i>Journal of the American Chemical Society</i> , 2018, 140, 13590-13593.	6.6	40
15	Possible isomers in ligand protected Ag ₁₁ cluster ions identified by ion mobility mass spectrometry and fragmented by surface induced dissociation. <i>Chemical Communications</i> , 2016, 52, 3805-3808.	2.2	39
16	Metal-Ligand Interface in the Chemical Reactions of Ligand-Protected Noble Metal Clusters. <i>Langmuir</i> , 2019, 35, 11243-11254.	1.6	32
17	Species-Specific Uptake of Arsenic on Confined Metastable 2-Line Ferrihydrite: A Combined Raman-X-Ray Photoelectron Spectroscopy Investigation of the Adsorption Mechanism. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 9990-10000.	3.2	29
18	New Type of Charged Defect in Amorphous Chalcogenides. <i>Physical Review Letters</i> , 2005, 94, 086401.	2.9	22

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19	Rapid isotopic exchange in nanoparticles. <i>Science Advances</i> , 2019, 5, eaau7555.	4.7	21
20	Structure–Reactivity Correlations in Metal Atom Substitutions of Monolayer-Protected Noble Metal Alloy Clusters. <i>Journal of Physical Chemistry C</i> , 2017, 121, 23224-23232.	1.5	19
21	A covalently linked dimer of [Ag ₂₅ (DMBT) ₁₈] ⁺ . <i>Chemical Communications</i> , 2019, 55, 5025-5028.	2.2	17
22	Detection of [Au ₂₅ (PET) ₁₈ (O ₂) _n] ⁺ (<i>n</i> = 1, 2, 3) Species by Mass Spectrometry. <i>Journal of Physical Chemistry C</i> , 2018, 122, 19455-19462.	1.5	16
23	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.	3.2	15
24	Atomically Precise Nanocluster Assemblies Encapsulating Plasmonic Gold Nanorods. <i>Angewandte Chemie</i> , 2018, 130, 6632-6636.	1.6	10
25	Camouflaging Structural Diversity: Co-crystallization of Two Different Nanoparticles Having Different Cores But the Same Shell. <i>Angewandte Chemie</i> , 2019, 131, 195-200.	1.6	9
26	Propagation, hybridization and localization of vibrational excitations in disordered materials. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 2002, 82, 197-208.	0.6	7
27	Probing Molecular Solids with Low-Energy Ions. <i>Annual Review of Analytical Chemistry</i> , 2013, 6, 97-118.	2.8	6
28	Gas phase ion chemistry of titanium–oxofullerene with ligated solvents. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 2332-2343.	1.3	2
29	Vibrational dynamics in disordered structures studied by the coherent potential approximation. <i>Journal of Non-Crystalline Solids</i> , 2001, 293-295, 333-338.	1.5	0