

Ananya Baksi

List of Publications by Year in descending order

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59
papers

1,843
citations

218592

26
h-index

276775

41
g-index

59
all docs

59
docs citations

59
times ranked

1651
citing authors

#	ARTICLE	IF	CITATIONS
1	Intercluster Reactions between Au ₂₅ (SR) ₁₈ and Ag ₄₄ (SR) ₃₀ . Journal of the American Chemical Society, 2016, 138, 140-148.	6.6	154
2	Structure-conserving spontaneous transformations between nanoparticles. Nature Communications, 2016, 7, 13447.	5.8	106
3	Interparticle Reactions: An Emerging Direction in Nanomaterials Chemistry. Accounts of Chemical Research, 2017, 50, 1988-1996.	7.6	85
4	Light-Powered Dissipative Assembly of Diazocine Coordination Cages. Journal of the American Chemical Society, 2022, 144, 3099-3105.	6.6	79
5	Protein-encapsulated gold cluster aggregates: the case of lysozyme. Nanoscale, 2013, 5, 2009.	2.8	75
6	Au ₂₂ Ir ₃ (PET) ₁₈ : An Unusual Alloy Cluster through Intercluster Reaction. Journal of Physical Chemistry Letters, 2017, 8, 2787-2793.	2.1	64
7	Impact of Ligands on Structural and Optical Properties of Ag ₂₉ Nanoclusters. Journal of the American Chemical Society, 2021, 143, 9405-9414.	6.6	60
8	Long-Lived C ₆₀ Radical Anion Stabilized Inside an Electron-Deficient Coordination Cage. Journal of the American Chemical Society, 2021, 143, 9718-9723.	6.6	60
9	Ag ₁₁ (SC) ₇ : A New Cluster Identified by Mass Spectrometry and Optical Spectroscopy. Journal of Physical Chemistry C, 2014, 118, 21722-21729.	1.5	59
10	[Au ₂₅ (SR) ₁₈] ₂ ²⁺ : a noble metal cluster dimer in the gas phase. Chemical Communications, 2016, 52, 8397-8400.	2.2	56
11	Nonenzymatic Glucose Sensing Using Ni ₆₀ Nb ₄₀ Nanoglass. ACS Nano, 2020, 14, 5543-5552.	7.3	55
12	Dissociation of Gas Phase Ions of Atomically Precise Silver Clusters Reflects Their Solution Phase Stability. Journal of Physical Chemistry C, 2017, 121, 10971-10981.	1.5	49
13	Guest-Modulated Circularly Polarized Luminescence by Ligand-Ligand Chirality Transfer in Heteroleptic Pd ^{II} Coordination Cages. Angewandte Chemie - International Edition, 2022, 61, .	7.2	47
14	Coal-Tar Dye-based Coordination Cages and Helicates. Angewandte Chemie - International Edition, 2021, 60, 5673-5678.	7.2	46
15	Manifestation of Geometric and Electronic Shell Structures of Metal Clusters in Intercluster Reactions. ACS Nano, 2017, 11, 6015-6023.	7.3	43
16	Development of phosphonate modified Fe(1-x)MnxFe2O4 mixed ferrite nanoparticles: Novel peroxidase mimetics in enzyme linked immunosorbent assay. Talanta, 2011, 86, 337-348.	2.9	39
17	Possible isomers in ligand protected Ag ₁₁ cluster ions identified by ion mobility mass spectrometry and fragmented by surface induced dissociation. Chemical Communications, 2016, 52, 3805-3808.	2.2	39
18	Isomerism in Monolayer Protected Silver Cluster Ions: An Ion Mobility-Mass Spectrometry Approach. Journal of Physical Chemistry C, 2017, 121, 13421-13427.	1.5	39

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19	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.	7.3	35
20	Covalent cucurbit[7]uril dye conjugates for sensing in aqueous saline media and biofluids. <i>Chemical Science</i> , 2020, 11, 11142-11153.	3.7	33
21	Noble metal clusters protected with mixed proteins exhibit intense photoluminescence. <i>RSC Advances</i> , 2015, 5, 48039-48045.	1.7	32
22	Green Synthesis of Protein-Protected Fluorescent Gold Nanoclusters (AuNCs): Reducing the Size of AuNCs by Partially Occupying the Ca ²⁺ Site by La ³⁺ in Apo-l α -Lactalbumin. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 6064-6069.	3.2	32
23	Metal-Ligand Interface in the Chemical Reactions of Ligand-Protected Noble Metal Clusters. <i>Langmuir</i> , 2019, 35, 11243-11254.	1.6	32
24	Size Evolution of Protein-Protected Gold Clusters in Solution: A Combined SAXS-MS Investigation. <i>Journal of Physical Chemistry C</i> , 2015, 119, 2148-2157.	1.5	29
25	Choline-induced selective fluorescence quenching of acetylcholinesterase conjugated Au@BSA clusters. <i>Biosensors and Bioelectronics</i> , 2016, 81, 68-74.	5.3	29
26	Understanding proton capture and cation-induced dimerization of [Ag ₂₉ (BDT) ₁₂] ³⁺ clusters by ion mobility mass spectrometry. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 7593-7603.	1.3	29
27	Luminescent iron clusters in solution. <i>Nanoscale</i> , 2014, 6, 1848-1854.	2.8	28
28	Linear Size Contraction of Ligand Protected Ag ₂₉ Clusters by Substituting Ag with Cu. <i>ACS Nano</i> , 2020, 14, 15064-15070.	7.3	28
29	Ultrafast Intersystem Crossing in Isolated Ag ₂₉ (BDT) ₁₂ ³⁺ Probed by Time-Resolved Pump-Probe Photoelectron Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2675-2681.	2.1	27
30	Detection of total count of Staphylococcus aureus using anti-toxin antibody labelled gold magnetite nanocomposites: a novel tool for capture, detection and bacterial separation. <i>Journal of Materials Chemistry</i> , 2011, 21, 17273.	6.7	25
31	Bare Clusters Derived from Protein Templates: Au ₂₅ ⁺ , Au ₃₈ ⁺ and Au ₁₀₂ ⁺ . <i>ChemPhysChem</i> , 2013, 14, 1272-1282.	1.0	23
32	Atomically Precise Noble Metal Clusters Harvest Visible Light to Produce Energy. <i>ChemistrySelect</i> , 2017, 2, 1454-1463.	0.7	22
33	Extraction of Silver by Glucose. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7777-7781.	7.2	21
34	Kinetics of Intercluster Reactions between Atomically Precise Noble Metal Clusters [Ag ₂₅ (DMBT) ₁₈] ⁺ and [Au ₂₅ (PET) ₁₈] ⁺ in Room Temperature Solutions. <i>Journal of the American Chemical Society</i> , 2021, 143, 6969-6980.	6.6	21
35	Nanogymnastics: Visualization of Intercluster Reactions by High-Resolution Trapped Ion Mobility Mass Spectrometry. <i>Journal of Physical Chemistry C</i> , 2019, 123, 28477-28485.	1.5	19
36	Combination of pulsed laser ablation and inert gas condensation for the synthesis of nanostructured nanocrystalline, amorphous and composite materials. <i>Nanoscale Advances</i> , 2019, 1, 4513-4521.	2.2	18

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37	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
38	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
39	Noble metal alloy clusters in the gas phase derived from protein templates: unusual recognition of palladium by gold. <i>Nanoscale</i> , 2013, 5, 12245.	2.8	14
40	Gold-Induced Unfolding of Lysozyme: Toward the Formation of Luminescent Clusters. <i>Journal of Physical Chemistry C</i> , 2017, 121, 13335-13344.	1.5	14
41	Internalization of a Preformed Atomically Precise Silver Cluster in Proteins by Multistep Events and Emergence of Luminescent Counterparts Retaining Bioactivity. <i>Journal of Physical Chemistry C</i> , 2019, 123, 29408-29417.	1.5	14
42	Preparation of gas phase naked silver cluster cations outside a mass spectrometer from ligand protected clusters in solution. <i>Nanoscale</i> , 2018, 10, 15714-15722.	2.8	13
43	Tribochemical Degradation of Polytetrafluoroethylene in Water and Generation of Nanoplastics. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 17554-17558.	3.2	12
44	Teerfarbenbasierte KoordinationskÄufige und Ähelikate. <i>Angewandte Chemie</i> , 2021, 133, 5736-5741.	1.6	12
45	Ni ₆₀ Nb ₄₀ Nanoglass for Tunable Magnetism and Methanol Oxidation. <i>ACS Applied Nano Materials</i> , 2020, 3, 7252-7259.	2.4	11
46	Unusual Accumulation of Silver in the Aleurone Layer of an Indian Rice (<i>Oryza sativa</i>) Landrace and Sustainable Extraction of the Metal. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 8310-8315.	3.2	10
47	Syntheses, Crystal Structure, Electrocatalytic, and Magnetic Properties of the Monolanthanide-Containing Germanotungstates [Ln(H ₂ O) _n GeW ₁₁ O ₃₉] ⁵⁻ (Ln = Dy, Y) <i>Tj</i> 1.6 10 0.784314	1.6	10
48	Unusual reactivity of MoS ₂ nanosheets. <i>Nanoscale</i> , 2016, 8, 10282-10290.	2.8	9
49	Dual Probe Sensors Using Atomically Precise Noble Metal Clusters. <i>ACS Omega</i> , 2017, 2, 7576-7583.	1.6	9
50	Reactivity of Monolayer Protected Silver Clusters toward Excess Ligand: A Calorimetric Study. <i>Journal of Physical Chemistry C</i> , 2017, 121, 26483-26492.	1.5	8
51	Mechanistic Elucidation of the Structure and Reactivity of Bare and Hydride-Protected Ag ₁₇ ⁺ Clusters. <i>Journal of Physical Chemistry C</i> , 2019, 123, 28494-28501.	1.5	7
52	Extraction of Silver by Glucose. <i>Angewandte Chemie</i> , 2016, 128, 7908-7912.	1.6	6
53	Gastmodulierte Zirkular Polarisierete Lumineszenz via LigandzuLigand ChiralitÄtstransfer in Heteroleptischen Pd ^{II} KÄfigen. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	6
54	Synergistic Effect in Green Extraction of Noble Metals and Its Consequences. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3072-3079.	1.0	5

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55	Monolayer-Protected Noble-Metal Clusters as Potential Standards for Negative-Ion Mass Spectrometry. <i>Analytical Chemistry</i> , 2018, 90, 11351-11357.	3.2	5
56	Cooking-Induced Corrosion of Metals. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 4781-4787.	3.2	4
57	Translocation of uranium from water to foodstuff while cooking. <i>Journal of Hazardous Materials</i> , 2015, 297, 183-190.	6.5	3
58	Synthesis, Characterization, Electrochemistry, Photoluminescence and Magnetic Properties of a Dinuclear Erbium(III)-Containing Monolacunary Dawson-Type Tungstophosphate: $[\{Er(H_2O)(CH_3COO)(P_2W_{17}O_{61})\}_2]^{16-}$. <i>Molecules</i> , 2020, 25, 4229.	1.7	2
59	Structural insights into metal-metalloid glasses from mass spectrometry. <i>Scientific Reports</i> , 2020, 10, 17467.	1.6	0