Thalappil Pradeep

List of Publications by Year
in descending order

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554 papers	28,970 citations	7096 78 h-index	8866 145 g-index
584 all docs	584 docs citations	584 times ranked	26046 citing authors

#	Article	IF	Citations
1	Direct imaging of lattice planes in atomically precise noble metal cluster crystals using a conventional transmission electron microscope. Chemical Communications, 2022, 58, 1906-1909.	4.1	3
2	Assembling Atomically Precise Noble Metal Nanoclusters Using Supramolecular Interactions. ACS Nanoscience Au, 2022, 2, 160-178.	4.8	18
3	Gas phase ion chemistry of titaniumâ€“oxofullerene with ligated solvents. Physical Chemistry Chemical Physics, 2022, 24, 2332-2343.	2.8	2
4	Industrial Utilization of Capacitive Deionization Technology for the Removal of Fluoride and Toxic Metal Ions (As^{3+/5+} and Pb²⁺). Global Challenges, 2022, 6, 2100129.	3.6	4
5	Building Pathways to a Sustainable Planet. ACS Sustainable Chemistry and Engineering, 2022, 10, 1-2.	6.7	1
6	Shell-Isolated Assembly of Atomically Precise Nanoclusters on Gold Nanorods for Integrated Plasmonic-Luminescent Nanocomposites. Journal of Physical Chemistry B, 2022, 126, 1842-1851.	2.6	11
7	Role of Zinc Oxide in the Compounding Formulation on the Growth of Nonstoichiometric Copper Sulfide Nanostructures at the Brassâ€“Rubber Interface. ACS Omega, 2022, 7, 9573-9581.	3.5	5
8	Molecular Engineering of Atomically Precise Silver Clusters into 2D and 3D Framework Solids. Chemistry of Materials, 2022, 34, 4703-4711.	6.7	18
9	Nanosensors for water quality monitoring. Separation Science and Technology, 2022, , 37-53.	0.2	2
10	Carboranethiol-Protected Propeller-Shaped Photoresponsive Silver Nanomolecule. Inorganic Chemistry, 2022, 61, 8593-8603.	4.0	4
11	Accelerated Non-Enzymatic Fatty Acid Esterification during Microdroplet Collision: A Method for Enhanced Sustainability. ACS Sustainable Chemistry and Engineering, 2022, 10, 8577-8587.	6.7	6
12	Cocrystals of Atomically Precise Noble Metal Nanoclusters. Small, 2021, 17, e2003981.	10.0	24
13	Differential risk factor profile of diabetes and atherosclerosis in rural, subâ€urban and urban regions of South India: The KMCHâ€Nonâ€communicable disease studies. Diabetic Medicine, 2021, 38, e14466.	2.3	1
14	Microdroplet Impact-Induced Spray Ionization Mass Spectrometry (MISI MS) for Online Reaction Monitoring and Bacteria Discrimination. Journal of the American Society for Mass Spectrometry, 2021, 32, 355-363.	2.8	2
15	New Routes for Multicomponent Atomically Precise Metal Nanoclusters. ACS Omega, 2021, 6, 1-16.	3.5	28
16	Gold cluster-loaded dendritic nanosilica: single particle luminescence and catalytic properties in the bulk. Nanoscale, 2021, 13, 9788-9797.	5.6	2
17	Selective Extraction of Gold by Niacin. ACS Sustainable Chemistry and Engineering, 2021, 9, 2129-2135.	6.7	19
18	A Covalently Integrated Reduced Graphene Oxideâ€“Ionâ€Exchange Resin Electrode for Efficient Capacitive Deionization. Advanced Materials Interfaces, 2021, 8, 2001998.	3.7	9

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19	Scalable Drop-to-Film Condensation on a Nanostructured Hierarchical Surface for Enhanced Humidity Harvesting. ACS Applied Nano Materials, 2021, 4, 1540-1550.	5.0	8
20	Toward Vibrational Tomography of Citrate on Dynamically Changing Individual Silver Nanoparticles. Journal of Physical Chemistry C, 2021, 125, 3553-3566.	3.1	7
21	Near-Infrared Chiral Plasmonic Microwires through Precision Assembly of Gold Nanorods on Soft Biotemplates. Journal of Physical Chemistry C, 2021, 125, 3256-3267.	3.1	20
22	2D-Molybdenum Disulfide-Derived Ion Source for Mass Spectrometry. ACS Nano, 2021, 15, 5023-5031.	14.6	0
23	Facile Crystallization of Ice I_h via Formaldehyde Hydrate in Ultrahigh Vacuum under Cryogenic Conditions. Journal of Physical Chemistry C, 2021, 125, 4532-4539.	3.1	10
24	Molecular Materials through Microdroplets: Synthesis of Protein-Protected Luminescent Clusters of Noble Metals. ACS Sustainable Chemistry and Engineering, 2021, 9, 4554-4563.	6.7	14
25	ACS Sustainable Chemistry & Engineering Welcomes Manuscripts on Advanced E-Waste Recycling. ACS Sustainable Chemistry and Engineering, 2021, 9, 3624-3625.	6.7	2
26	Lab to Market: Where the Rubber Meets the Road for Sustainable Chemical Technologies. ACS Sustainable Chemistry and Engineering, 2021, 9, 2987-2989.	6.7	3
27	Kinetics of Intercluster Reactions between Atomically Precise Noble Metal Clusters [Ag₂₅(DMBT)₁₈]^{â˜’} and [Au₂₅(PET)₁₈]^{â˜’} in Room Temperature Solutions. Journal of the American Chemical Society, 2021, 143, 6969-6980.	13.7	21
28	Triboelectric Generators for Sustainable Reduction Leading to Nanoparticles and Nanoclusters. ACS Sustainable Chemistry and Engineering, 2021, 9, 7431-7436.	6.7	2
29	Transformation of Nanodiamonds to Onion-like Carbons by Ambient Electrospray Deposition. Journal of Physical Chemistry C, 2021, 125, 10998-11006.	3.1	5
30	The Power of the United Nations Sustainable Development Goals in Sustainable Chemistry and Engineering Research. ACS Sustainable Chemistry and Engineering, 2021, 9, 8015-8017.	6.7	20
31	Design of a Waste Paperâ€Derived Chemically â€˜Reactiveâ€™ and Durable Functional Material with Tailorable Mechanical Property Following an Ambient and Sustainable Chemical Approach. Chemistry - an Asian Journal, 2021, 16, 1988-2001.	3.3	2
32	Comparative analyses of the nutraceutical potentialities of selected Indian traditional black rice (Oryza sativa L.) landraces. Oryza, 2021, 58, 295-309.	0.4	6
33	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
34	Interference of Phosphate in Adsorption of Arsenate and Arsenite over Confined Metastable Two-Line Ferrihydrite and Magnetite. Journal of Physical Chemistry C, 2021, 125, 22502-22512.	3.1	7
35	Aminoclayâ€Graphene Oxide Composite for Thinâ€Film Composite Reverse Osmosis Membranes with Unprecedented Water Flux and Fouling Resistance. Advanced Materials Interfaces, 2021, 8, 2100533.	3.7	6
36	Cellulosic Ternary Nanocomposite for Affordable and Sustainable Fluoride Removal. ACS Sustainable Chemistry and Engineering, 2021, 9, 12788-12799.	6.7	20

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37	Selfâ€Assembly of Precision Noble Metal Nanoclusters: Hierarchical Structural Complexity, Colloidal Superstructures, and Applications. Small, 2021, 17, e2005718.	10.0	76
38	Ambient microdroplet annealing of nanoparticles. Chemical Science, 2021, 12, 6370-6377.	7.4	7
39	Hierarchical Assembly of Atomically Precise Metal Clusters as a Luminescent Strain Sensor. ACS Applied Materials & Interfaces, 2021, 13, 6496-6504.	8.0	14
40	Light-Activated Intercluster Conversion of an Atomically Precise Silver Nanocluster. ACS Nano, 2021, 15, 15781-15793.	14.6	35
41	Nanotechnology for Sustainability in ACS Sustainable Chemistry & Engineering: Some Pointers. ACS Sustainable Chemistry and Engineering, 2021, 9, 14327-14329.	6.7	1
42	Desorption-induced evolution of cubic and hexagonal ices in an ultrahigh vacuum and cryogenic temperatures. Physical Chemistry Chemical Physics, 2021, 23, 24052-24060.	2.8	6
43	Expectations for Perspectives in ACS Sustainable Chemistry & Engineering. ACS Sustainable Chemistry and Engineering, 2021, 9, 16528-16530.	6.7	1
44	Challenges and Directions for Green Chemical Engineeringâ€"Role of Nanoscale Materials. , 2020, , 1-18.		11
45	Nanocellulose-Reinforced Organo-Inorganic Nanocomposite for Synergistic and Affordable Defluoridation of Water and an Evaluation of Its Sustainability Metrics. ACS Sustainable Chemistry and Engineering, 2020, 8, 139-147.	6.7	27
46	The Evolution of ACS Sustainable Chemistry & Engineering. ACS Sustainable Chemistry and Engineering, 2020, 8, 1-1.	6.7	6
47	Intercluster Reactions Resulting in Silver-Rich Trimetallic Nanoclusters. Chemistry of Materials, 2020, 32, 611-619.	6.7	43
48	Formation of Cubic Ice via Clathrate Hydrate, Prepared in Ultrahigh Vacuum under Cryogenic Conditions. Journal of Physical Chemistry Letters, 2020, 11, 26-32.	4.6	18
49	Smartphone-based Fluoride-specific Sensor for Rapid and Affordable Colorimetric Detection and Precise Quantification at Sub-ppm Levels for Field Applications. ACS Omega, 2020, 5, 25253-25263.	3.5	40
50	Evaluating the Impact of Tailored Water Wettability on Performance of CO₂ Capture. ACS Applied Energy Materials, 2020, 3, 10541-10549.	5.1	6
51	Atom transfer between precision nanoclusters and polydispersed nanoparticles: a facile route for monodisperse alloy nanoparticles and their superstructures. Nanoscale, 2020, 12, 22116-22128.	5.6	15
52	Dithiol-Induced Contraction in Ag₁₄ Clusters and Its Manifestation in Electronic Structures. Journal of Physical Chemistry C, 2020, 124, 23426-23432.	3.1	8
53	Accelerated microdroplet synthesis of benzimidazoles by nucleophilic addition to protonated carboxylic acids. Chemical Science, 2020, 11, 12686-12694.	7.4	72
54	Reaction between Ag₁₇⁺ and acetylene outside the mass spectrometer: dehydrogenation in the gas phase. Chemical Communications, 2020, 56, 15623-15626.	4.1	6

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55	Expectations for Manuscripts in ACS Sustainable Chemistry & Engineering: Scope Summary and Call for Creativity. ACS Sustainable Chemistry and Engineering, 2020, 8, 16046-16047.	6.7	2
56	Nonstoichiometric Copper Sulfide Nanostructures at the Brassâ€“Rubber Interface: Implications for Rubber Vulcanization Temperature in the Tire Industry. ACS Applied Nano Materials, 2020, 3, 7685-7694.	5.0	7
57	Expectations for Manuscripts on Biomass Feedstocks and Processing in ACS Sustainable Chemistry & Engineering. ACS Sustainable Chemistry and Engineering, 2020, 8, 11031-11032.	6.7	2
58	Remembering Professor, Academician, and Editor Lina Zhang. ACS Sustainable Chemistry and Engineering, 2020, 8, 16385-16385.	6.7	0
59	Dual emitting Ag₃₅ nanocluster protected by 2-pyrene imine thiol. Chemical Communications, 2020, 56, 12550-12553.	4.1	15
60	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
61	[Ag₁₅H₁₃(DPPH)₅]²⁺ and [Ag₂₇H₂₂(DPPB)₇]³⁺: Two New Hydride and Phosphine Co-Protected Clusters and Their Fragmentation Leading to Naked Clusters, Ag₁₃⁺ and Ag₂₅⁺. Journal of Physical Chemistry C, 2020, 124, 20569-20577.	3.1	10
62	Manifestation of Structural Differences of Atomically Precise Cluster-Assembled Solids in Their Mechanical Properties. Chemistry of Materials, 2020, 32, 7973-7984.	6.7	14
63	Enhanced Capture of Particulate Matter by Molecularly Charged Electrospun Nanofibers. ACS Sustainable Chemistry and Engineering, 2020, 8, 7762-7773.	6.7	19
64	Clean Water through Nanotechnology: Needs, Gaps, and Fulfillment. ACS Nano, 2020, 14, 6420-6435.	14.6	127
65	The Changing Structure of Scientific Communication: Expanding the Nature of Letters Submissions to ACS Sustainable Chemistry & Engineering. ACS Sustainable Chemistry and Engineering, 2020, 8, 8469-8470.	6.7	0
66	Entrapping Atomically Precise Clusters in Cyclodextrin-Functionalized Aminoclay Sheets: Synthesis and Enhanced Luminescence. Industrial & Engineering Chemistry Research, 2020, 59, 12737-12744.	3.7	4
67	Expectations for Manuscripts with Nanoscience and Nanotechnology Elements in ACS Sustainable Chemistry & Engineering. ACS Sustainable Chemistry and Engineering, 2020, 8, 7751-7752.	6.7	5
68	Reply to Letter to the Editor regarding Velmurugan et al. â€œAssociation of co-accumulation of arsenic and organophosphate insecticides with diabetes and atherosclerosis in a rural agricultural community: KMCH-NNCD-I studyâ€•written by Barr DB & Jaacks LM. Acta Diabetologica, 2020, 57, 1127-1128.	2.5	0
69	Ferrofluid Microdroplet Splitting for Populationâ€Based Microfluidics and Interfacial Tensiometry. Advanced Science, 2020, 7, 2000359.	11.2	26
70	Ultrafast Intersystem Crossing in Isolated Ag₂₉(BDT)₁₂^{3â€“} Probed by Time-Resolved Pumpâ€“Probe Photoelectron Spectroscopy. Journal of Physical Chemistry Letters, 2020, 11, 2675-2681.	4.6	27
71	Arsenic Toxicity: Carbonateâ€™s Counteraction Revealed. ACS Sustainable Chemistry and Engineering, 2020, 8, 5067-5075.	6.7	2
72	Fullerene-Mediated Aggregation of M₂₅(SR)₁₈^{â€“} (M = Ag, Au) Nanoclusters. Journal of Physical Chemistry C, 2020, 124, 14891-14900.	3.1	13

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73	Probing Subtle Changes in Molecular Orientations Using Ambient Electrospray Deposition Raman Spectroscopy (AESD RS). Journal of Physical Chemistry C, 2020, 124, 16644-16651.	3.1	11
74	Ligand structure and charge state-dependent separation of monolayer protected Au₂₅ clusters using non-aqueous reversed-phase HPLC. Analyst, The, 2020, 145, 1337-1345.	3.5	4
75	Phosphorylated cellulose nanofibers exhibit exceptional capacity for uranium capture. Cellulose, 2020, 27, 10719-10732.	4.9	48
76	Nonenzymatic Glucose Sensing Using Ni₆₀Nb₄₀Nanoglass. ACS Nano, 2020, 14, 5543-5552.	14.6	55
77	Expectations for Manuscripts on Catalysis in ACS Sustainable Chemistry & Engineering. ACS Sustainable Chemistry and Engineering, 2020, 8, 4995-4996.	6.7	14
78	Iron assisted formation of CO₂ over condensed CO and its relevance to interstellar chemistry. Physical Chemistry Chemical Physics, 2020, 22, 8491-8498.	2.8	5
79	Association of co-accumulation of arsenic and organophosphate insecticides with diabetes and atherosclerosis in a rural agricultural community: KMCH-NNCD-I study. Acta Diabetologica, 2020, 57, 1159-1168.	2.5	20
80	An Unprecedented Thousandfold Enhancement of Antimicrobial Activity of Metal Ions by Selective Anion Treatment. Advances in Science, Technology and Innovation, 2020, , 433-435.	0.4	0
81	Waterborne Fluorineâ€Free Superhydrophobic Surfaces Exhibiting Simultaneous CO 2 and Humidity Sorption. Advanced Materials Interfaces, 2019, 6, 1901013.	3.7	10
82	In situ monitoring of electrochemical reactions through CNT-assisted paper cell mass spectrometry. Analyst, The, 2019, 144, 5404-5412.	3.5	9
83	Highly Sensitive As³⁺ Detection Using Electrodeposited Nanostructured MnO_x and Phase Evolution of the Active Material during Sensing. ACS Applied Materials & Interfaces, 2019, 11, 28154-28163.	8.0	27
84	Reply to Choukroun et al.: IR and TPD data suggest the formation of clathrate hydrates in laboratory experiments simulating ISM. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 14409-14410.	7.1	5
85	Conformational Changes of Protein upon Encapsulation of Noble Metal Clusters: An Investigation by Hydrogen/Deuterium Exchange Mass Spectrometry. Journal of Physical Chemistry C, 2019, 123, 17598-17605.	3.1	6
86	Metal-Ion-Induced Luminescence Enhancement in Protein Protected Gold Clusters. Journal of Physical Chemistry C, 2019, 123, 28969-28976.	3.1	18
87	Interparticle Reactions between Silver Nanoclusters Leading to Product Cocrystals by Selective Cocrystallization. ACS Nano, 2019, 13, 13365-13373.	14.6	31
88	Internalization of a Preformed Atomically Precise Silver Cluster in Proteins by Multistep Events and Emergence of Luminescent Counterparts Retaining Bioactivity. Journal of Physical Chemistry C, 2019, 123, 29408-29417.	3.1	14
89	Nanogymnastics: Visualization of Intercluster Reactions by High-Resolution Trapped Ion Mobility Mass Spectrometry. Journal of Physical Chemistry C, 2019, 123, 28477-28485.	3.1	19
90	Crystallization of a Supramolecular Coassembly of an Atomically Precise Nanoparticle with a Crown Ether. , 2019, 1, 534-540.		27

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91	Tribochemical Degradation of Polytetrafluoroethylene in Water and Generation of Nanoplastics. ACS Sustainable Chemistry and Engineering, 2019, 7, 17554-17558.	6.7	12
92	The emerging interface of mass spectrometry with materials. NPG Asia Materials, 2019, 11, .	7.9	35
93	Appearance of SERS activity in single silver nanoparticles by laser-induced reshaping. Nanoscale, 2019, 11, 321-330.	5.6	25
94	Spatial distribution mapping of molecules in the grains of different rice landraces, using desorption electrospray ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2019, 33, 727-736.	1.5	6
95	Spontaneous Formation of Tetrahydrofuran Hydrate in Ultrahigh Vacuum. Journal of Physical Chemistry C, 2019, 123, 16300-16307.	3.1	18
96	Surface-Treated Nanofibers as High Current Yielding Breath Humidity Sensors for Wearable Electronics. ACS Applied Electronic Materials, 2019, 1, 951-960.	4.3	31
97	Geologically Inspired Monoliths for Sustainable Release of Essential Minerals into Drinking Water. ACS Sustainable Chemistry and Engineering, 2019, 7, 11735-11744.	6.7	5
98	Sub-Parts-per-Trillion Level Detection of Analytes by Superhydrophobic Preconcentration Paper Spray Ionization Mass Spectrometry (SHPPSI MS). Analytical Chemistry, 2019, 91, 7118-7124.	6.5	29
99	Formation of an NIR-emitting Ag₃₄S₃SBB₂₀(CF₃COO)₆²⁺ cluster from a hydride-protected silver cluster. Dalton Transactions, 2019, 48, 8664-8670.	3.3	16
100	Application and performance evaluation of a cost-effective vis- LED based fluidized bed reactor for the treatment of emerging contaminants. Chemosphere, 2019, 228, 629-639.	8.2	33
101	Confining an Ag₁₀ Core in an Ag₁₂ Shell: A Four-Electron Superatom with Enhanced Photoluminescence upon Crystallization. ACS Nano, 2019, 13, 5753-5759.	14.6	70
102	A covalently linked dimer of [Ag25(DMBT)18]â". Chemical Communications, 2019, 55, 5025-5028.	4.1	17
103	Capacitive Deionization (CDI): An Alternative Cost-Efficient Desalination Technique. , 2019, , 165-202.		17
104	Electrospray deposition-induced ambient phase transition in copper sulphide nanostructures. Journal of Materials Chemistry A, 2019, 7, 6387-6394.	10.3	21
105	Effects of Chloride Concentration on the Water Disinfection Performance of Silver Containing Nanocellulose-based Composites. Scientific Reports, 2019, 9, 19505.	3.3	13
106	Ambient electrospray deposition Raman spectroscopy (AESD RS) using soft landed preformed silver nanoparticles for rapid and sensitive analysis. Analyst, The, 2019, 144, 7412-7420.	3.5	12
107	Mechanistic Elucidation of the Structure and Reactivity of Bare and Hydride-Protected Ag₁₇⁺ Clusters. Journal of Physical Chemistry C, 2019, 123, 28494-28501.	3.1	7
108	Superhydrophobic Surfaces: Waterborne Fluorineâ€Free Superhydrophobic Surfaces Exhibiting Simultaneous CO₂ and Humidity Sorption (Adv. Mater. Interfaces 23/2019). Advanced Materials Interfaces, 2019, 6, 1970147.	3.7	0

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109	UPLC and ESI-MS analysis of metabolites of Rauvolfia tetraphylla L. and their spatial localization using desorption electrospray ionization (DESI) mass spectrometric imaging. Phytochemistry, 2019, 159, 20-29.	2.9	31
110	Rapid isotopic exchange in nanoparticles. Science Advances, 2019, 5, eaau7555.	10.3	21
111	Camouflaging Structural Diversity: Coâ€crystallization of Two Different Nanoparticles Having Different Cores But the Same Shell. Angewandte Chemie, 2019, 131, 195-200.	2.0	9
112	Camouflaging Structural Diversity: Coâ€crystallization of Two Different Nanoparticles Having Different Cores But the Same Shell. Angewandte Chemie - International Edition, 2019, 58, 189-194.	13.8	80
113	Clathrate hydrates in interstellar environment. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1526-1531.	7.1	44
114	Why Wasnâ€™t My ACS Sustainable Chemistry & Engineering Manuscript Sent Out for Review?. ACS Sustainable Chemistry and Engineering, 2019, 7, 1-2.	6.7	5
115	Metalâ€“Ligand Interface in the Chemical Reactions of Ligand-Protected Noble Metal Clusters. Langmuir, 2019, 35, 11243-11254.	3.5	32
116	Sustainable and Affordable Composites Built Using Microstructures Performing Better than Nanostructures for Arsenic Removal. ACS Sustainable Chemistry and Engineering, 2019, 7, 3222-3233.	6.7	26
117	Approaching Materials with Atomic Precision Using Supramolecular Cluster Assemblies. Accounts of Chemical Research, 2019, 52, 2-11.	15.6	152
118	Detection of Hydrocarbons by Laser Assisted Paper Spray Ionization Mass Spectrometry (LAPSI MS). Analytical Chemistry, 2018, 90, 4663-4668.	6.5	25
119	Synthesis of Silicon Nanoparticles from Rice Husk and their Use as Sustainable Fluorophores for White Light Emission. ACS Sustainable Chemistry and Engineering, 2018, 6, 6203-6210.	6.7	71
120	Metals in urine in relation to the prevalence of pre-diabetes, diabetes and atherosclerosis in rural India. Occupational and Environmental Medicine, 2018, 75, 661-667.	2.8	22
121	Atomically Precise Nanocluster Assemblies Encapsulating Plasmonic Gold Nanorods. Angewandte Chemie, 2018, 130, 6632-6636.	2.0	10
122	Fabrication of a Waterborne Durable Superhydrophobic Material Functioning in Air and under Oil. Advanced Materials Interfaces, 2018, 5, 1701523.	3.7	20
123	Atomically Precise Nanocluster Assemblies Encapsulating Plasmonic Gold Nanorods. Angewandte Chemie - International Edition, 2018, 57, 6522-6526.	13.8	57
124	Probing the Mechanical Response of Luminescent Dithiolâ€Protected Ag₂₉(BDT)₁₂(TPP)₄ Cluster Crystals. ChemNanoMat, 2018, 4, 401-408.	2.8	6
125	Fullerene-Functionalized Monolayer-Protected Silver Clusters: [Ag₂₉(BDT)₁₂(C₆₀)_n]^{3â€“} (n =)	1	0
126	Understanding proton capture and cation-induced dimerization of [Ag₂₉(BDT)₁₂]^{3â^’}clusters by ion mobility mass spectrometry. Physical Chemistry Chemical Physics, 2018, 20, 7593-7603.	2.8	29

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127	Poly(ether sulfone) Nanofibers Impregnated with Î²-Cyclodextrin for Increased Micropollutant Removal from Water. ACS Sustainable Chemistry and Engineering, 2018, 6, 2942-2953.	6.7	37
128	Rapid reaction of MoS₂ nanosheets with Pb²⁺ and Pb⁴⁺ ions in solution. Nanoscale, 2018, 10, 1807-1814.	5.6	14
129	An Aqueous Composition for Lubricantâ€Free, Robust, Slippery, Transparent Coatings on Diverse Substrates. Global Challenges, 2018, 2, 1700097.	3.6	5
130	Advancing the Use of Sustainability Metrics in ACS Sustainable Chemistry & Engineering. ACS Sustainable Chemistry and Engineering, 2018, 6, 1-1.	6.7	34
131	Consolidation of functionalized graphene at ambient temperature via mechano-chemistry. Carbon, 2018, 134, 491-499.	10.3	22
132	Self-propagated combustion synthesis of few-layered graphene: an optical properties perspective. Nanoscale, 2018, 10, 7581-7588.	5.6	10
133	Phase Transfer Induced Enhanced Stability of Monolayer Protected Silver Quantum Clusters. Journal of Cluster Science, 2018, 29, 41-48.	3.3	4
134	Early Detection of Biofouling on Water Purification Membranes by Ambient Ionization Mass Spectrometry Imaging. Analytical Chemistry, 2018, 90, 988-997.	6.5	18
135	Propane and propaneâ€“water interactions: a study at cryogenic temperatures. Physical Chemistry Chemical Physics, 2018, 20, 1838-1847.	2.8	10
136	A thirty-fold photoluminescence enhancement induced by secondary ligands in monolayer protected silver clusters. Nanoscale, 2018, 10, 20033-20042.	5.6	65
137	Atomically precise cluster-based white light emitters $$^{S }$$ Â§. Journal of Chemical Sciences, 2018, 130, 1.	1.5	5
138	Isomerism in Supramolecular Adducts of Atomically Precise Nanoparticles. Journal of the American Chemical Society, 2018, 140, 13590-13593.	13.7	40
139	Holey MoS₂ Nanosheets with Photocatalytic Metal Rich Edges by Ambient Electrospray Deposition for Solar Water Disinfection. Global Challenges, 2018, 2, 1800052.	3.6	26
140	Interconversions of Structural Isomers of [PdAu₈(PPh₃)₈]²⁺ and [Au₉(PPh₃)₈]³⁺ Revealed by Ion Mobility Mass Spectrometry. Journal of Physical Chemistry C, 2018, 122, 23123-23128.	3.1	23
141	Monolayer-Protected Noble-Metal Clusters as Potential Standards for Negative-Ion Mass Spectrometry. Analytical Chemistry, 2018, 90, 11351-11357.	6.5	5
142	Towards atomically precise luminescent Ag₂S clusters separable by thin layer chromatography. Journal of Materials Chemistry C, 2018, 6, 5754-5759.	5.5	5
143	Detection of [Au₂₅(PET)₁₈(O₂)_n]^{â^'} (n = 1, 2, 3) Species by Mass Spectrometry. Journal of Physical Chemistry C, 2018, 122, 19455-19462.	3.1	16
144	Electrohydrodynamic Assembly of Ambient Ion-Derived Nanoparticles to Nanosheets at Liquid Surfaces. Journal of Physical Chemistry C, 2018, 122, 17777-17783.	3.1	11

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145	Preparation of gas phase naked silver cluster cations outside a mass spectrometer from ligand protected clusters in solution. Nanoscale, 2018, 10, 15714-15722.	5.6	13
146	Patterned Nanobrush Nature Mimics with Unprecedented Waterâ€Harvesting Efficiency. Advanced Materials Interfaces, 2018, 5, 1800667.	3.7	19
147	Bent Keto Form of Curcumin, Preferential Stabilization of Enol by Piperine, and Isomers of Curcuminâ©Cyclodextrin Complexes: Insights from Ion Mobility Mass Spectrometry. Analytical Chemistry, 2018, 90, 8776-8784.	6.5	15
148	Polymorphism of Ag₂₉(BDT)₁₂(TPP)₄^{3â} cluster: interactions of secondary ligands and their effect on solid state luminescence. Nanoscale, 2018, 10, 9851-9855.	5.6	61
149	Species-Specific Uptake of Arsenic on Confined Metastable 2-Line Ferrihydrite: A Combined Raman-X-Ray Photoelectron Spectroscopy Investigation of the Adsorption Mechanism. ACS Sustainable Chemistry and Engineering, 2018, 6, 9990-10000.	6.7	29
150	Dissociation of Gas Phase Ions of Atomically Precise Silver Clusters Reflects Their Solution Phase Stability. Journal of Physical Chemistry C, 2017, 121, 10971-10981.	3.1	49
151	Synthesis, characterization and performance of visible light active C-TiO 2 for pharmaceutical photodegradation. Journal of Environmental Chemical Engineering, 2017, 5, 757-767.	6.7	41
152	Interaction of Acetonitrile with Alcohols at Cryogenic Temperatures. Journal of Physical Chemistry C, 2017, 121, 2822-2835.	3.1	11
153	Solar mediated reduction of graphene oxide. RSC Advances, 2017, 7, 957-963.	3.6	95
154	Atomically Precise Noble Metal Clusters Harvest Visible Light to Produce Energy. ChemistrySelect, 2017, 2, 1454-1463.	1.5	22
155	High-Yield Paste-Based Synthesis of Thiolate-Protected Silver Nanoparticles. Journal of Physical Chemistry C, 2017, 121, 10964-10970.	3.1	19
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