

# Thalappil Pradeep

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

544  
papers

24,156  
citations

73  
h-index

136  
g-index

584  
ext. papers

26,565  
ext. citations

6.6  
avg, IF

7.55  
L-index

#	Paper	IF	Citations
544	Industrial Utilization of Capacitive Deionization Technology for the Removal of Fluoride and Toxic Metal Ions (As and Pb).. <i>Global Challenges</i> , <b>2022</b> , 6, 2100129	4.3	0
543	Shell-Isolated Assembly of Atomically Precise Nanoclusters on Gold Nanorods for Integrated Plasmonic-Luminescent Nanocomposites.. <i>Journal of Physical Chemistry B</i> , <b>2022</b> , 126, 1842-1851	3.4	0
542	Role of Zinc Oxide in the Compounding Formulation on the Growth of Nonstoichiometric Copper Sulfide Nanostructures at the Brass-Rubber Interface.. <i>ACS Omega</i> , <b>2022</b> , 7, 9573-9581	3.9	0
541	Nanosensors for water quality monitoring. <i>Separation Science and Technology</i> , <b>2022</b> , 37-53	1.7	
540	Expectations for Perspectives in ACS Sustainable Chemistry & Engineering. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 16528-16530	8.3	0
539	Direct imaging of lattice planes in atomically precise noble metal cluster crystals using a conventional transmission electron microscope. <i>Chemical Communications</i> , <b>2021</b> ,	5.8	1
538	Desorption-induced evolution of cubic and hexagonal ices in an ultrahigh vacuum and cryogenic temperatures. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 24052-24060	3.6	2
537	Light-Activated Intercluster Conversion of an Atomically Precise Silver Nanocluster. <i>ACS Nano</i> , <b>2021</b> , 15, 15781-15793	16.7	5
536	Cocrystals of Atomically Precise Noble Metal Nanoclusters. <i>Small</i> , <b>2021</b> , 17, e2003981	11	7
535	Molecular Materials through Microdroplets: Synthesis of Protein-Protected Luminescent Clusters of Noble Metals. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 4554-4563	8.3	5
534	ACS Sustainable Chemistry & Engineering Welcomes Manuscripts on Advanced E-Waste Recycling. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 3624-3625	8.3	0
533	Kinetics of Intercluster Reactions between Atomically Precise Noble Metal Clusters [Ag(DMBT)] and [Au(PET)] in Room Temperature Solutions. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 6969-6980	16.4	6
532	Triboelectric Generators for Sustainable Reduction Leading to Nanoparticles and Nanoclusters. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 7431-7436	8.3	0
531	Transformation of Nanodiamonds to Onion-like Carbons by Ambient Electrospray Deposition. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 10998-11006	3.8	1
530	Design of a Waste Paper-Derived Chemically 'Reactive' and Durable Functional Material with Tailorable Mechanical Property Following an Ambient and Sustainable Chemical Approach. <i>Chemistry - an Asian Journal</i> , <b>2021</b> , 16, 1988-2001	4.5	1
529	Comparative analyses of the nutraceutical potentialities of selected Indian traditional black rice ( <i>Oryza sativa</i> L.) landraces. <i>Oryza</i> , <b>2021</b> , 58, 295-309	0.3	0
528	Isotopic Exchange of Atomically Precise Nanoclusters with Materials of Varying Dimensions: From Nanoscale to Bulk. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 16110-16117	3.8	

527	Differential risk factor profile of diabetes and atherosclerosis in rural, sub-urban and urban regions of South India: The KMCH-Non-communicable disease studies. <i>Diabetic Medicine</i> , <b>2021</b> , 38, e14466	3.5	1
526	Microdroplet Impact-Induced Spray Ionization Mass Spectrometry (MISI MS) for Online Reaction Monitoring and Bacteria Discrimination. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2021</b> , 32, 355-363	3.5	1
525	New Routes for Multicomponent Atomically Precise Metal Nanoclusters. <i>ACS Omega</i> , <b>2021</b> , 6, 1-16	3.9	14
524	Gold cluster-loaded dendritic nanosilica: single particle luminescence and catalytic properties in the bulk. <i>Nanoscale</i> , <b>2021</b> , 13, 9788-9797	7.7	2
523	Selective Extraction of Gold by Niacin. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 2129-2135	8.3	4
522	A Covalently Integrated Reduced Graphene Oxide Ion-Exchange Resin Electrode for Efficient Capacitive Deionization. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2001998	4.6	4
521	Scalable Drop-to-Film Condensation on a Nanostructured Hierarchical Surface for Enhanced Humidity Harvesting. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 1540-1550	5.6	1
520	Toward Vibrational Tomography of Citrate on Dynamically Changing Individual Silver Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 3553-3566	3.8	2
519	Near-Infrared Chiral Plasmonic Microwires through Precision Assembly of Gold Nanorods on Soft Biotemplates. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 3256-3267	3.8	5
518	2D-Molybdenum Disulfide-Derived Ion Source for Mass Spectrometry. <i>ACS Nano</i> , <b>2021</b> , 15, 5023-5031	16.7	
517	Facile Crystallization of Ice Ih via Formaldehyde Hydrate in Ultrahigh Vacuum under Cryogenic Conditions. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 4532-4539	3.8	7
516	Cellulosic Ternary Nanocomposite for Affordable and Sustainable Fluoride Removal. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 12788-12799	8.3	3
515	Self-Assembly of Precision Noble Metal Nanoclusters: Hierarchical Structural Complexity, Colloidal Superstructures, and Applications. <i>Small</i> , <b>2021</b> , 17, e2005718	11	27
514	Ambient microdroplet annealing of nanoparticles. <i>Chemical Science</i> , <b>2021</b> , 12, 6370-6377	9.4	4
513	Hierarchical Assembly of Atomically Precise Metal Clusters as a Luminescent Strain Sensor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 6496-6504	9.5	6
512	Enhanced Capture of Particulate Matter by Molecularly Charged Electrospun Nanofibers. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 7762-7773	8.3	8
511	Clean Water through Nanotechnology: Needs, Gaps, and Fulfillment. <i>ACS Nano</i> , <b>2020</b> , 14, 6420-6435	16.7	57
510	Entrapping Atomically Precise Clusters in Cyclodextrin-Functionalized Aminoclay Sheets: Synthesis and Enhanced Luminescence. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 12737-12744	3.9	0

509	Reply to Letter to the Editor regarding Velmurugan et al. "Association of co-accumulation of arsenic and organophosphate insecticides with diabetes and atherosclerosis in a rural agricultural community: KMCH-NNCD-I study" written by Barr DB & Jaacks LM. <i>Acta Diabetologica</i> , <b>2020</b> , 57, 1127-1128	3.9	
508	Ferrofluid Microdroplet Splitting for Population-Based Microfluidics and Interfacial Tensiometry. <i>Advanced Science</i> , <b>2020</b> , 7, 2000359	13.6	11
507	Ultrafast Intersystem Crossing in Isolated Ag(BDT) Probed by Time-Resolved Pump-Probe Photoelectron Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 2675-2681	6.4	19
506	Arsenic Toxicity: Carbonate Counteraction Revealed. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 5067-5075	8.3	1
505	Fullerene-Mediated Aggregation of M <sub>25</sub> (SR) <sub>18</sub> (M = Ag, Au) Nanoclusters. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 14891-14900	3.8	9
504	Probing Subtle Changes in Molecular Orientations Using Ambient Electro Spray Deposition Raman Spectroscopy (AESD RS). <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 16644-16651	3.8	3
503	Ligand structure and charge state-dependent separation of monolayer protected Au clusters using non-aqueous reversed-phase HPLC. <i>Analyst, The</i> , <b>2020</b> , 145, 1337-1345	5	4
502	Phosphorylated cellulose nanofibers exhibit exceptional capacity for uranium capture. <i>Cellulose</i> , <b>2020</b> , 27, 10719-10732	5.5	14
501	Nonenzymatic Glucose Sensing Using NiNb Nanoglass. <i>ACS Nano</i> , <b>2020</b> , 14, 5543-5552	16.7	32
500	Iron assisted formation of CO over condensed CO and its relevance to interstellar chemistry. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 8491-8498	3.6	3
499	Sustainable Materials for Affordable Point-of-Use Water Purification. <i>Advances in Science, Technology and Innovation</i> , <b>2020</b> , 125-128	0.3	
498	An Unprecedented Thousandfold Enhancement of Antimicrobial Activity of Metal Ions by Selective Anion Treatment. <i>Advances in Science, Technology and Innovation</i> , <b>2020</b> , 433-435	0.3	
497	Nanocellulose-Reinforced Organo-Inorganic Nanocomposite for Synergistic and Affordable Defluorination of Water and an Evaluation of Its Sustainability Metrics. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 139-147	8.3	13
496	The Evolution of ACS Sustainable Chemistry & Engineering. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 1-1	8.3	2
495	Intercluster Reactions Resulting in Silver-Rich Trimetallic Nanoclusters. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 611-619	9.6	29
494	Formation of Cubic Ice via Clathrate Hydrate, Prepared in Ultrahigh Vacuum under Cryogenic Conditions. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 26-32	6.4	9
493	Smartphone-based Fluoride-specific Sensor for Rapid and Affordable Colorimetric Detection and Precise Quantification at Sub-ppm Levels for Field Applications. <i>ACS Omega</i> , <b>2020</b> , 5, 25253-25263	3.9	14
492	Evaluating the Impact of Tailored Water Wettability on Performance of CO <sub>2</sub> Capture. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 10541-10549	6.1	3

491	Atom transfer between precision nanoclusters and polydispersed nanoparticles: a facile route for monodisperse alloy nanoparticles and their superstructures. <i>Nanoscale</i> , <b>2020</b> , 12, 22116-22128	7.7	9
490	Dithiol-Induced Contraction in Ag <sub>14</sub> Clusters and Its Manifestation in Electronic Structures. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 23426-23432	3.8	1
489	Accelerated microdroplet synthesis of benzimidazoles by nucleophilic addition to protonated carboxylic acids. <i>Chemical Science</i> , <b>2020</b> , 11, 12686-12694	9.4	17
488	Reaction between Ag and acetylene outside the mass spectrometer: dehydrogenation in the gas phase. <i>Chemical Communications</i> , <b>2020</b> , 56, 15623-15626	5.8	2
487	Nonstoichiometric Copper Sulfide Nanostructures at the Brass/Rubber Interface: Implications for Rubber Vulcanization Temperature in the Tire Industry. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 7685-7694	5.6	3
486	Dual emitting Ag nanocluster protected by 2-pyrene imine thiol. <i>Chemical Communications</i> , <b>2020</b> , 56, 12550-12553	5.8	5
485	Atomically Precise Noble Metal Cluster-Assembled Superstructures in Water: Luminescence Enhancement and Sensing. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 22298-22303	3.8	12
484	[Ag <sub>15</sub> H <sub>13</sub> (DPPH) <sub>5</sub> ] <sup>2+</sup> and [Ag <sub>27</sub> H <sub>22</sub> (DPPB) <sub>7</sub> ] <sup>3+</sup> : Two New Hydride and Phosphine Co-Protected Clusters and Their Fragmentation Leading to Naked Clusters, Ag <sub>13</sub> <sup>+</sup> and Ag <sub>25</sub> <sup>+</sup> . <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 20569-20577	3.8	7
483	Manifestation of Structural Differences of Atomically Precise Cluster-Assembled Solids in Their Mechanical Properties. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 7973-7984	9.6	7
482	Challenges and Directions for Green Chemical Engineering Role of Nanoscale Materials <b>2020</b> , 1-18		7
481	Association of co-accumulation of arsenic and organophosphate insecticides with diabetes and atherosclerosis in a rural agricultural community: KMCH-NNCD-I study. <i>Acta Diabetologica</i> , <b>2020</b> , 57, 1159-1168 <sup>10</sup>	3.9	168
480	Tribochemical Degradation of Polytetrafluoroethylene in Water and Generation of Nanoplastics. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 17554-17558	8.3	9
479	The emerging interface of mass spectrometry with materials. <i>NPG Asia Materials</i> , <b>2019</b> , 11,	10.3	25
478	Spatial distribution mapping of molecules in the grains of different rice landraces, using desorption electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2019</b> , 33, 727-736	3.2	6
477	Spontaneous Formation of Tetrahydrofuran Hydrate in Ultrahigh Vacuum. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 16300-16307	3.8	10
476	Surface-Treated Nanofibers as High Current Yielding Breath Humidity Sensors for Wearable Electronics. <i>ACS Applied Electronic Materials</i> , <b>2019</b> , 1, 951-960	4	20
475	Gold Nanoparticles <b>2019</b> , 1-29		
474	Geologically Inspired Monoliths for Sustainable Release of Essential Minerals into Drinking Water. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 11735-11744	8.3	2

473	Sub-Parts-per-Trillion Level Detection of Analytes by Superhydrophobic Preconcentration Paper Spray Ionization Mass Spectrometry (SHPPSI MS). <i>Analytical Chemistry</i> , <b>2019</b> , 91, 7118-7124	7.8	17
472	Formation of an NIR-emitting AgSSBB(CFCOO) cluster from a hydride-protected silver cluster. <i>Dalton Transactions</i> , <b>2019</b> , 48, 8664-8670	4.3	9
471	Application and performance evaluation of a cost-effective vis- LED based fluidized bed reactor for the treatment of emerging contaminants. <i>Chemosphere</i> , <b>2019</b> , 228, 629-639	8.4	18
470	Confining an Ag Core in an Ag Shell: A Four-Electron Superatom with Enhanced Photoluminescence upon Crystallization. <i>ACS Nano</i> , <b>2019</b> , 13, 5753-5759	16.7	47
469	A covalently linked dimer of [Ag(DMBT)]. <i>Chemical Communications</i> , <b>2019</b> , 55, 5025-5028	5.8	13
468	Capacitive Deionization (CDI): An Alternative Cost-Efficient Desalination Technique <b>2019</b> , 165-202		8
467	Waterborne Fluorine-Free Superhydrophobic Surfaces Exhibiting Simultaneous CO <sub>2</sub> and Humidity Sorption. <i>Advanced Materials Interfaces</i> , <b>2019</b> , 6, 1901013	4.6	6
466	In situ monitoring of electrochemical reactions through CNT-assisted paper cell mass spectrometry. <i>Analyst, The</i> , <b>2019</b> , 144, 5404-5412	5	9
465	Highly Sensitive As Detection Using Electrodeposited Nanostructured MnO and Phase Evolution of the Active Material during Sensing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 28154-28163	9.5	11
464	Reply to Choukroun et al.: IR and TPD data suggest the formation of clathrate hydrates in laboratory experiments simulating ISM. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 14409-14410	11.5	3
463	Conformational Changes of Protein upon Encapsulation of Noble Metal Clusters: An Investigation by Hydrogen/Deuterium Exchange Mass Spectrometry. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 17598-17605	3.8	11
462	Metal-Ion-Induced Luminescence Enhancement in Protein Protected Gold Clusters. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 28969-28976	3.8	11
461	Interparticle Reactions between Silver Nanoclusters Leading to Product Cocrystals by Selective Cocrystallization. <i>ACS Nano</i> , <b>2019</b> , 13, 13365-13373	16.7	18
460	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> , <b>2019</b> , 123, 29408-29417	3.8	10
459	Nanogymnastics: Visualization of Intercluster Reactions by High-Resolution Trapped Ion Mobility Mass Spectrometry. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 28477-28485	3.8	14
458	Crystallization of a Supramolecular Coassembly of an Atomically Precise Nanoparticle with a Crown Ether <b>2019</b> , 1, 534-540		19
457	Electrospray deposition-induced ambient phase transition in copper sulphide nanostructures. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 6387-6394	13	12
456	Arsenic in Water: Speciation, Sources, Distribution, and Toxicology <b>2019</b> , 1-17		2



455	Arsenic in Water: Fundamentals of Measurement and Remediation <b>2019</b> , 1-11		
454	Effects of Chloride Concentration on the Water Disinfection Performance of Silver Containing Nanocellulose-based Composites. <i>Scientific Reports</i> , <b>2019</b> , 9, 19505	4.9	8
453	Ambient electrospray deposition Raman spectroscopy (AESD RS) using soft landed preformed silver nanoparticles for rapid and sensitive analysis. <i>Analyst, The</i> , <b>2019</b> , 144, 7412-7420	5	6
452	Mechanistic Elucidation of the Structure and Reactivity of Bare and Hydride-Protected Ag <sup>17+</sup> Clusters. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 28494-28501	3.8	6
451	Superhydrophobic Surfaces: Waterborne Fluorine-Free Superhydrophobic Surfaces Exhibiting Simultaneous CO <sub>2</sub> and Humidity Sorption (Adv. Mater. Interfaces 23/2019). <i>Advanced Materials Interfaces</i> , <b>2019</b> , 6, 1970147	4.6	
450	UPLC and ESI-MS analysis of metabolites of <i>Rauvolfia tetraphylla</i> L. and their spatial localization using desorption electrospray ionization (DESI) mass spectrometric imaging. <i>Phytochemistry</i> , <b>2019</b> , 159, 20-29	4	14
449	Rapid isotopic exchange in nanoparticles. <i>Science Advances</i> , <b>2019</b> , 5, eaau7555	14.3	12
448	Camouflaging Structural Diversity: Co-crystallization of Two Different Nanoparticles Having Different Cores But the Same Shell. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 195-200	3.6	8
447	Camouflaging Structural Diversity: Co-crystallization of Two Different Nanoparticles Having Different Cores But the Same Shell. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 189-194	16.4	59
446	Clathrate hydrates in interstellar environment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 1526-1531	11.5	28
445	Metal-Ligand Interface in the Chemical Reactions of Ligand-Protected Noble Metal Clusters. <i>Langmuir</i> , <b>2019</b> , 35, 11243-11254	4	26
444	Sustainable and Affordable Composites Built Using Microstructures Performing Better than Nanostructures for Arsenic Removal. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 3222-3233	8.3	19
443	Approaching Materials with Atomic Precision Using Supramolecular Cluster Assemblies. <i>Accounts of Chemical Research</i> , <b>2019</b> , 52, 2-11	24.3	98
442	Appearance of SERS activity in single silver nanoparticles by laser-induced reshaping. <i>Nanoscale</i> , <b>2018</b> , 11, 321-330	7.7	13
441	Detection of Hydrocarbons by Laser Assisted Paper Spray Ionization Mass Spectrometry (LAPSI MS). <i>Analytical Chemistry</i> , <b>2018</b> , 90, 4663-4668	7.8	22
440	Synthesis of Silicon Nanoparticles from Rice Husk and their Use as Sustainable Fluorophores for White Light Emission. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 6203-6210	8.3	45
439	Metals in urine in relation to the prevalence of pre-diabetes, diabetes and atherosclerosis in rural India. <i>Occupational and Environmental Medicine</i> , <b>2018</b> , 75, 661-667	2.1	13
438	Atomically Precise Nanocluster Assemblies Encapsulating Plasmonic Gold Nanorods. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 6632-6636	3.6	6

437	Fabrication of a Waterborne Durable Superhydrophobic Material Functioning in Air and under Oil. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1701523	4.6	16
436	Atomically Precise Nanocluster Assemblies Encapsulating Plasmonic Gold Nanorods. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 6522-6526	16.4	37
435	Probing the Mechanical Response of Luminescent Dithiol-Protected Ag <sub>29</sub> (BDT) <sub>12</sub> (TPP) <sub>4</sub> Cluster Crystals. <i>ChemNanoMat</i> , <b>2018</b> , 4, 401-408	3.5	4
434	Fullerene-Functionalized Monolayer-Protected Silver Clusters: [Ag(BDT)(C)] (n = 1-9). <i>ACS Nano</i> , <b>2018</b> , 12, 2415-2425	16.7	34
433	Understanding proton capture and cation-induced dimerization of [Ag(BDT)] clusters by ion mobility mass spectrometry. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 7593-7603	3.6	24
432	Poly(ether sulfone) Nanofibers Impregnated with $\beta$ -Cyclodextrin for Increased Micropollutant Removal from Water. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 2942-2953	8.3	26
431	Rapid reaction of MoS nanosheets with Pb and Pb ions in solution. <i>Nanoscale</i> , <b>2018</b> , 10, 1807-1814	7.7	11
430	An Aqueous Composition for Lubricant-Free, Robust, Slippery, Transparent Coatings on Diverse Substrates. <i>Global Challenges</i> , <b>2018</b> , 2, 1700097	4.3	3
429	Consolidation of functionalized graphene at ambient temperature via mechano-chemistry. <i>Carbon</i> , <b>2018</b> , 134, 491-499	10.4	11
428	Self-propagated combustion synthesis of few-layered graphene: an optical properties perspective. <i>Nanoscale</i> , <b>2018</b> , 10, 7581-7588	7.7	6
427	Phase Transfer Induced Enhanced Stability of Monolayer Protected Silver Quantum Clusters. <i>Journal of Cluster Science</i> , <b>2018</b> , 29, 41-48	3	3
426	Detection of [Au <sub>25</sub> (PET) <sub>18</sub> (O <sub>2</sub> ) <sub>n</sub> ](n = 1, 2, 3) Species by Mass Spectrometry. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 19455-19462	3.8	13
425	Electrohydrodynamic Assembly of Ambient Ion-Derived Nanoparticles to Nanosheets at Liquid Surfaces. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 17777-17783	3.8	8
424	Preparation of gas phase naked silver cluster cations outside a mass spectrometer from ligand protected clusters in solution. <i>Nanoscale</i> , <b>2018</b> , 10, 15714-15722	7.7	10
423	Patterned Nanobrush Nature Mimics with Unprecedented Water-Harvesting Efficiency. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1800667	4.6	15
422	Bent Keto Form of Curcumin, Preferential Stabilization of Enol by Piperine, and Isomers of Curcumin $\beta$ -Cyclodextrin Complexes: Insights from Ion Mobility Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 8776-8784	7.8	5
421	Polymorphism of Ag(BDT)(TPP) cluster: interactions of secondary ligands and their effect on solid state luminescence. <i>Nanoscale</i> , <b>2018</b> , 10, 9851-9855	7.7	46
420	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> , <b>2018</b> , 6, 9990-10000	8.3	22



4 <sup>19</sup>	Early Detection of Biofouling on Water Purification Membranes by Ambient Ionization Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 988-997	7.8	13
4 <sup>18</sup>	Propane and propane-water interactions: a study at cryogenic temperatures. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 1838-1847	3.6	8
4 <sup>17</sup>	A thirty-fold photoluminescence enhancement induced by secondary ligands in monolayer protected silver clusters. <i>Nanoscale</i> , <b>2018</b> , 10, 20033-20042	7.7	4 <sup>0</sup>
4 <sup>16</sup>	Atomically precise cluster-based white light emitters( <sup>{S}</sup> ). <i>Journal of Chemical Sciences</i> , <b>2018</b> , 130, 1	1.8	4
4 <sup>15</sup>	Isomerism in Supramolecular Adducts of Atomically Precise Nanoparticles. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 13590-13593	16.4	27
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4 <sup>07</sup>	Solar mediated reduction of graphene oxide. <i>RSC Advances</i> , <b>2017</b> , 7, 957-963	3.7	69
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4 <sup>04</sup>	Qualitative observation of reversible phase change in astrochemical ethanethiol ices using infrared spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2017</b> , 178, 166-170	4.4	13
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