

George C Schatz

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.

597
papers

62,993
citations

110
h-index

241
g-index

664
ext. papers

69,367
ext. citations

8.6
avg, IF

7.99
L-index

#	Paper	IF	Citations
597	Multipurpose made colorimetric materials for amines, pH change and metal ion detection.. <i>RSC Advances</i> , 2022 , 12, 2684-2692	3.7	1
596	Generating Bright Emissive States by Modulating the Bandgap of Monolayer Tungsten Diselenide. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 5598-5606	3.8	0
595	Plasmon-Coupled Resonance Energy Transfer and Photocatalysis: Theory and Application. <i>Springer Handbooks</i> , 2022 , 423-443	1.3	
594	Synthesis and Structure-Activity Characterization of a Single-Site MoO Catalytic Center Anchored on Reduced Graphene Oxide.. <i>Journal of the American Chemical Society</i> , 2021 , 143, 21532-21540	16.4	2
593	Programmable Self-Regulation with Wrinkled Hydrogels and Plasmonic Nanoparticle Lattices. <i>Small</i> , 2021 , e2103865	11	1
592	Molecular Insight into the Sheet Twist and Related Morphology of Self-Assembled Peptide Amphiphile Ribbons. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 11238-11244	6.4	0
591	Selective Separation of Lithium Chloride by Organogels Containing Strapped Calix[4]pyrroles. <i>Journal of the American Chemical Society</i> , 2021 , 143, 20403-20410	16.4	3
590	125th Anniversary of : A Historical Perspective. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 12909-12917	3.4	
589	Enhancing Entangled Two-Photon Absorption for Picosecond Quantum Spectroscopy. <i>Journal of the American Chemical Society</i> , 2021 , 143, 16930-16934	16.4	5
588	Source of Bright Near-Infrared Luminescence in Gold Nanoclusters. <i>ACS Nano</i> , 2021 , 15, 16095-16105	16.7	13
587	Supramolecular Gold Stripping from Activated Carbon Using β -Cyclodextrin. <i>Journal of the American Chemical Society</i> , 2021 , 143, 1984-1992	16.4	1
586	Nanotechnology for catalysis and solar energy conversion. <i>Nanotechnology</i> , 2021 , 32, 042003	3.4	24
585	Identification of Brillouin Zones by In-Plane Lasing from Light-Cone Surface Lattice Resonances. <i>ACS Nano</i> , 2021 , 15, 5567-5573	16.7	4
584	Investigating Single-Molecule Fluorescence Spectral Heterogeneity of Rhodamines Using High-Throughput Single-Molecule Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 3914-3921	6.4	2
583	Systematic Merging of Nonfullerene Acceptor Extension and Tetrafluorination Strategies Affords Polymer Solar Cells with >16% Efficiency. <i>Journal of the American Chemical Society</i> , 2021 , 143, 6123-6139	16.4	34
582	Plasma-driven solution electrolysis. <i>Journal of Applied Physics</i> , 2021 , 129, 200902	2.5	13
581	Multimetallic Nanoparticles on Mirrors for SERS Detection. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 12784-12791	3.8	1

580	Selective Separation of Hexachloroplatinate(IV) Dianions Based on Exo-Binding with Cucurbit[6]uril. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 17587-17594	16.4	1
579	Selective Separation of Hexachloroplatinate(IV) Dianions Based on Exo-Binding with Cucurbit[6]uril. <i>Angewandte Chemie</i> , 2021 , 133, 17728-17735	3.6	0
578	Low-Density 2D Superlattices Assembled via Directional DNA Bonding. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 19035-19040	16.4	2
577	Advanced Materials for Energy-Water Systems: The Central Role of Water/Solid Interfaces in Adsorption, Reactivity, and Transport. <i>Chemical Reviews</i> , 2021 , 121, 9450-9501	68.1	9
576	SERS and the scientific career of Richard P. Van Duyne (1945-2019). <i>Journal of Raman Spectroscopy</i> , 2021 , 52, 268-278	2.3	1
575	Discrete Open-Shell Tris(bipyridinium radical cationic) Inclusion Complexes in the Solid State. <i>Journal of the American Chemical Society</i> , 2021 , 143, 163-175	16.4	6
574	Nanopipette-based electrochemical SERS platforms: Using electrodeposition to produce versatile and adaptable plasmonic substrates. <i>Journal of Raman Spectroscopy</i> , 2021 , 52, 339-347	2.3	4
573	Charge transport through extended molecular wires with strongly correlated electrons. <i>Chemical Science</i> , 2021 , 12, 11121-11129	9.4	1
572	Mechanistic understanding of entanglement and heralding in cascade emitters. <i>Journal of Chemical Physics</i> , 2021 , 154, 024304	3.9	4
571	Single-Molecule Charge Transport through Positively Charged Electrostatic Anchors. <i>Journal of the American Chemical Society</i> , 2021 , 143, 2886-2895	16.4	12
570	Synthesis and Characterization of Tellurium Catecholates and Their -Oxide Adducts. <i>Inorganic Chemistry</i> , 2021 , 60, 3460-3470	5.1	3
569	Bright NIR-II Photoluminescence in Rod-Shaped Icosahedral Gold Nanoclusters. <i>Small</i> , 2021 , 17, e2007992	16.4	18
568	Low-Density 2D Superlattices Assembled via Directional DNA Bonding. <i>Angewandte Chemie</i> , 2021 , 133, 19183-19188	3.6	0
567	Mechanism of Long-Range Energy Transfer from Quantum Dots to Black Phosphorus. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 15458-15464	3.8	1
566	Can Nanocavities Significantly Enhance Resonance Energy Transfer in a Single Donor-Acceptor Pair?. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 18119-18128	3.8	3
565	A contorted nanographene shelter. <i>Nature Communications</i> , 2021 , 12, 5191	17.4	2
564	Quasiclassical Trajectory Study of the O(P) + CO(D) Reaction at Hyperthermal Energies. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 8626-8634	2.8	0
563	Strong Coupling Between Plasmons and Molecular Excitons in Metal-Organic Frameworks. <i>Nano Letters</i> , 2021 , 21, 7775-7780	11.5	3

562	PCage: Fluorescent Molecular Temples for Binding Sugars in Water. <i>Journal of the American Chemical Society</i> , 2021 , 143, 15688-15700	16.4	4
561	Plasmonic Nanoparticle Lattice Devices for White-Light Lasing. <i>Advanced Materials</i> , 2021 , e2103262	24	3
560	Regiospecific -alkyl substitution tunes the molecular packing of high-performance non-fullerene acceptors. <i>Materials Horizons</i> , 2021 ,	14.4	5
559	Second Linear Response Theory and the Analytic Calculation of Excited-State Properties. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 1093-1102	2.8	2
558	Dynamic Control of Photocatalytic Proton Reduction through the Mechanical Actuation of a Hydrogel Host Matrix.. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 12135-12141	6.4	
557	125th Anniversary of JPC: A Historical Perspective. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 25927-25938	3.8	3
556	125th Anniversary of : A Historical Perspective. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 10121-10129	2.8	
555	Late to the Party: Synthesis and Characterization of Tellurium and Selenium Half-Sandwich Complexes. <i>Organometallics</i> , 2021 , 40, 4104-4109	3.8	0
554	Fluorinating Extended Molecular Acceptors Yields Highly Connected Crystal Structures and Low Reorganization Energies for Efficient Solar Cells. <i>Advanced Energy Materials</i> , 2020 , 10, 2000635	21.8	45
553	Efficient Modeling of Organic Chromophores for Entangled Two-Photon Absorption. <i>Journal of the American Chemical Society</i> , 2020 , 142, 10446-10458	16.4	20
552	NWChem: Past, present, and future. <i>Journal of Chemical Physics</i> , 2020 , 152, 184102	3.9	187
551	Room Temperature Weak-to-Strong Coupling and the Emergence of Collective Emission from Quantum Dots Coupled to Plasmonic Arrays. <i>ACS Nano</i> , 2020 , 14, 7347-7357	16.7	21
550	Supramolecular-covalent hybrid polymers for light-activated mechanical actuation. <i>Nature Materials</i> , 2020 , 19, 900-909	27	78
549	Domain Separated Density Functional Theory for Reaction Energy Barriers and Optical Excitations. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 5954-5962	2.8	
548	Photophysical implications of ring fusion, linker length, and twisting angle in a series of perylene diimide-thienoacene dimers. <i>Chemical Science</i> , 2020 , 11, 7133-7143	9.4	3
547	Mechanistic Insights into Photocatalyzed H Dissociation on Au Clusters. <i>Journal of the American Chemical Society</i> , 2020 , 142, 13090-13101	16.4	27
546	Plasmon-Driven Chemistry in Ferri-/Ferrocyanoide Gold Nanoparticle Oligomers: A SERS Study. <i>Journal of the American Chemical Society</i> , 2020 , 142, 13120-13129	16.4	9
545	High-Efficiency Gold Recovery Using Cucurbit[6]uril. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 38768-38777	9.5	18

544	Quantum embedding for material chemistry based on domain separation and open subsystems. <i>International Journal of Quantum Chemistry</i> , 2020 , 120, e26184	2.1	1
543	Lasing from Finite Plasmonic Nanoparticle Lattices. <i>ACS Photonics</i> , 2020 , 7, 630-636	6.3	24
542	Quantum Dot-Plasmon Lasing with Controlled Polarization Patterns. <i>ACS Nano</i> , 2020 , 14, 3426-3433	16.7	26
541	Thermodynamic Determination of Bimetallic Particle Geometry: Suitability of Poorly Miscible Alloys for Surface-Enhanced Raman. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 3287-3296	3.8	6
540	Analytical Approaches To Identify Plasmon-like Excited States in Bare and Ligand-Protected Metal Nanoclusters. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 3260-3269	3.8	12
539	Orbital Control and Coherent Charge Transport in Transition Metal Platinum(II)Platinum(II) Lantern Complexes in Molecular Junctions. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 3233-3241	3.8	3
538	Embedding Methods for Quantum Chemistry: Applications from Materials to Life Sciences. <i>Journal of the American Chemical Society</i> , 2020 , 142, 3281-3295	16.4	40
537	Engineering Directionality in Quantum Dot Shell Lasing Using Plasmonic Lattices. <i>Nano Letters</i> , 2020 , 20, 1468-1474	11.5	21
536	Light-Responsive Colloidal Crystals Engineered with DNA. <i>Advanced Materials</i> , 2020 , 32, e1906600	24	28
535	Light-Driven Expansion of Spiropyran Hydrogels. <i>Journal of the American Chemical Society</i> , 2020 , 142, 8447-8453	16.4	75
534	Localized Surface Plasmons in Nanoparticles 2020 , 69-94		
533	Understanding the chemical contribution to the enhancement mechanism in SERS: Connection with Hammett parameters. <i>Journal of Chemical Physics</i> , 2020 , 153, 124706	3.9	9
532	Soft Skin Layers Enable Area-Specific, Multiscale Graphene Wrinkles with Switchable Orientations. <i>ACS Nano</i> , 2020 , 14, 166-174	16.7	22
531	Control of Charge Carriers and Band Structure in 2D Monolayer Molybdenum Disulfide via Covalent Functionalization. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 4607-4615	9.5	12
530	Wavelength and Polarization Dependence of Second-Harmonic Responses from Gold Nanocrescent Arrays. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 20424-20435	3.8	7
529	Mie-Resonant Three-Dimensional Metacrystals. <i>Nano Letters</i> , 2020 , 20, 8096-8101	11.5	10
528	Balancing Charge Transfer and Frenkel Exciton Coupling Leads to Excimer Formation in Molecular Dimers: Implications for Singlet Fission. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 8478-8487	2.8	11
527	Crystallography, Morphology, Electronic Structure, and Transport in Non-Fullerene/Non-Indacenodithienothiophene Polymer:Y6 Solar Cells. <i>Journal of the American Chemical Society</i> , 2020 , 142, 14532-14547	16.4	120

526	Atom vacancies and electronic transmission Stark effects in boron nanoflake junctions. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 15208-15218	7.1	
525	Pressure-Induced Optical Transitions in Metal Nanoclusters. <i>ACS Nano</i> , 2020 , 14, 11888-11896	16.7	9
524	Active Plasmonics and Active Chiral Plasmonics through Orientation-Dependent Multipolar Interactions. <i>ACS Nano</i> , 2020 , 14, 11518-11532	16.7	7
523	Ion Coordination and Chelation in a Glycolated Polymer Semiconductor: Molecular Dynamics and X-ray Fluorescence Study. <i>Chemistry of Materials</i> , 2020 , 32, 7301-7308	9.6	9
522	Vibrational Probe of Aqueous Electrolytes: The Field Is Not Enough. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 7013-7026	3.4	6
521	Ring-in-Ring(s) Complexes Exhibiting Tunable Multicolor Photoluminescence. <i>Journal of the American Chemical Society</i> , 2020 , 142, 16849-16860	16.4	20
520	Two-photon excited deep-red and near-infrared emissive organic co-crystals. <i>Nature Communications</i> , 2020 , 11, 4633	17.4	33
519	Thermodynamics and Mechanism of a Photocatalyzed Stereoselective [2 + 2] Cycloaddition on a CdSe Quantum Dot. <i>Journal of the American Chemical Society</i> , 2020 , 142, 15488-15495	16.4	5
518	Enhancement and Suppression of Resonance Energy Transfer Near Metal Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 20589-20597	3.8	5
517	Present and Future of Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2020 , 14, 28-117	16.7	1000
516	Building Blocks for High-Efficiency Organic Photovoltaics: Interplay of Molecular, Crystal, and Electronic Properties in Post-Fullerene ITIC Ensembles. <i>ChemPhysChem</i> , 2019 , 20, 2608-2626	3.2	29
515	Tunable Fluorescence from Dye-Modified DNA-Assembled Plasmonic Nanocube Arrays. <i>Advanced Materials</i> , 2019 , 31, e1904448	24	16
514	Empirical Mappings of the Frequency Response of an Electron Ratchet to the Characteristics of the Polymer Transport Layer. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 22050-22057	3.8	1
513	Plasmonic Surface Lattice Resonances: Theory and Computation. <i>Accounts of Chemical Research</i> , 2019 , 52, 2548-2558	24.3	54
512	Molecular Junctions Inspired by Nature: Electrical Conduction through Noncovalent Nanobelts. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 8096-8102	3.4	6
511	Richard P. Van Duyne (1945-2019). <i>Nature Nanotechnology</i> , 2019 , 14, 913	28.7	1
510	Operando Characterization of Iron Phthalocyanine Deactivation during Oxygen Reduction Reaction Using Electrochemical Tip-Enhanced Raman Spectroscopy. <i>Journal of the American Chemical Society</i> , 2019 , 141, 15684-15692	16.4	52
509	Tip-Enhanced Raman Excitation Spectroscopy (TERES): Direct Spectral Characterization of the Gap-Mode Plasmon. <i>Nano Letters</i> , 2019 , 19, 7309-7316	11.5	22

508	Interrogating Intracellular Zinc Chemistry with a Long Stokes Shift Zinc Probe ZincBY-4. <i>Journal of the American Chemical Society</i> , 2019 , 141, 16696-16705	16.4	10
507	Inhibition of Amyloid- β Aggregation by Cobalt(III) Schiff Base Complexes: A Computational and Experimental Approach. <i>Journal of the American Chemical Society</i> , 2019 , 141, 16685-16695	16.4	28
506	Phonon-induced plasmon-exciton coupling changes probed via oscillation-associated spectra. <i>Applied Physics Letters</i> , 2019 , 115, 111903	3.4	1
505	Editorial for January 2019 for JPC A/B/C. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 1-9	3.4	1
504	Fluorination Effects on Indacenodithienothiophene Acceptor Packing and Electronic Structure, End-Group Redistribution, and Solar Cell Photovoltaic Response. <i>Journal of the American Chemical Society</i> , 2019 , 141, 3274-3287	16.4	226
503	Entangled Photon Resonance Energy Transfer in Arbitrary Media. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 3181-3188	6.4	5
502	Atomic Layer Deposition Nucleation on Isolated Self-Assembled Monolayer Functional Groups: A Combined DFT and Experimental Study. <i>ACS Applied Energy Materials</i> , 2019 , 2, 4618-4628	6.1	12
501	Physicochemical Trapping of Neurotransmitters in Polymer-Mediated Gold Nanoparticle Aggregates for Surface-Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , 2019 , 91, 9554-9562	7.8	18
500	Ultrafast Dynamics of Lattice Plasmon Lasers. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 3301-3306	6.4	16
499	Domain Separation in Density Functional Theory. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 4785-4795	2.8	8
498	Modeling Plasmonic Optical Properties Using Semiempirical Electronic Structure Calculations 2019 , 575-595		1
497	Broad-band high-gain room temperature photodetectors using semiconductor-metal nanofloret hybrids with wide plasmonic response. <i>Nanoscale</i> , 2019 , 11, 6368-6376	7.7	5
496	Spatially defined molecular emitters coupled to plasmonic nanoparticle arrays. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 5925-5930	11.5	10
495	Charge Transport and Thermoelectric Properties of Carbon Sulfide Nanobelts in Single-Molecule Sensors. <i>Chemistry of Materials</i> , 2019 , 31, 6506-6518	9.6	6
494	Hierarchical Hybridization in Plasmonic Honeycomb Lattices. <i>Nano Letters</i> , 2019 , 19, 6435-6441	11.5	26
493	Photovoltaic Blend Microstructure for High Efficiency Post-Fullerene Solar Cells. To Tilt or Not To Tilt?. <i>Journal of the American Chemical Society</i> , 2019 , 141, 13410-13420	16.4	30
492	The Periodic Table. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 5837-5848	2.8	1
491	The effect of the magnitude and direction of the dipoles of organic cations on the electronic structure of hybrid halide perovskites. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 16564-16572	3.6	10

490	The JPC Periodic Table. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 17063-17074	3.8	1
489	The JPC Periodic Table. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 4051-4062	6.4	1
488	Hofmeister Effects on Peptide Amphiphile Nanofiber Self-Assembly. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 7006-7013	3.4	4
487	A Mutation in Histone H2B Represents a New Class of Oncogenic Driver. <i>Cancer Discovery</i> , 2019 , 9, 1438-1451	14.1	30
486	Substituent effects on energetics and crystal morphology modulate singlet fission in 9,10-bis(phenylethynyl)anthracenes. <i>Journal of Chemical Physics</i> , 2019 , 151, 044501	3.9	11
485	Molecular-Scale Mechanistic Investigation of Oxygen Dissociation and Adsorption on Metal Surface-Supported Cobalt Phthalocyanine. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 3966-3971	6.4	5
484	Optimizing linear polymer affinity agent properties for surface-enhanced Raman scattering detection of aflatoxin B1. <i>Molecular Systems Design and Engineering</i> , 2019 , 4, 1019-1031	4.6	9
483	Are Transport Models Able To Predict Charge Carrier Mobilities in Organic Semiconductors?. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 29499-29512	3.8	11
482	Fluorine Tuning of Morphology, Energy Loss, and Carrier Dynamics in Perylenediimide Polymer Solar Cells. <i>ACS Energy Letters</i> , 2019 ,	20.1	6
481	Molecular-Level Insight into the Hydroxylated Monomeric VO _x /Al ₂ O ₃ (010) and Its Adsorption of Methanol. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 27704-27711	3.8	3
480	Quantum Interference and Substantial Property Tuning in Conjugated --Regio-Resistive Organic (ZORRO) Junctions. <i>Nano Letters</i> , 2019 , 19, 8956-8963	11.5	6
479	SERS Study of the Mechanism of Plasmon-Driven Hot Electron Transfer between Gold Nanoparticles and PCBM. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 29908-29915	3.8	17
478	Plasmon nanolasing with aluminum nanoparticle arrays [Invited]. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019 , 36, E104	1.7	16
477	In Situ Nanoscale Redox Mapping Using Tip-Enhanced Raman Spectroscopy. <i>Nano Letters</i> , 2019 , 19, 2106-2113	21.13	42
476	Molecular engineering of organic semiconductors enables noble metal-comparable SERS enhancement and sensitivity. <i>Nature Communications</i> , 2019 , 10, 5502	17.4	47
475	Multivalent Cation-Induced Actuation of DNA-Mediated Colloidal Superlattices. <i>Journal of the American Chemical Society</i> , 2019 , 141, 19973-19977	16.4	11
474	Ultralow-threshold, continuous-wave upconverting lasing from subwavelength plasmons. <i>Nature Materials</i> , 2019 , 18, 1172-1176	27	81
473	Germanium Fluoride Nanocages as Optically Transparent n-Type Materials and Their Endohedral Metallofullerene Derivatives. <i>Journal of the American Chemical Society</i> , 2019 , 141, 1672-1684	16.4	8

472	Editorial for January 2019 for JPC A/B/C. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 1-9	2.8	2
471	Analysis of TiO Atomic Layer Deposition Surface Chemistry and Evidence of Propene Oligomerization Using Surface-Enhanced Raman Spectroscopy. <i>Journal of the American Chemical Society</i> , 2019 , 141, 414-422	16.4	24
470	Mechanisms of Formaldehyde and C2 Formation from Methylene Reacting with CO2 Adsorbed on Ni(110). <i>Journal of Physical Chemistry C</i> , 2018 , 122, 13827-13833	3.8	6
469	Probing Molecular-Scale Catalytic Interactions between Oxygen and Cobalt Phthalocyanine Using Tip-Enhanced Raman Spectroscopy. <i>Journal of the American Chemical Society</i> , 2018 , 140, 5948-5954	16.4	50
468	Highly Stable, Ultrasmall Polymer-Grafted Nanobins (usPGNs) with Stimuli-Responsive Capability. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 1133-1139	6.4	2
467	Ultra-High Vacuum Tip-Enhanced Raman Spectroscopy 2018 , 231-253		1
466	SERS Theory: The Chemical Effect of Rhodamine 6G Adsorption on Silver Surfaces on Its Raman Spectrum 2018 , 401-414		1
465	Shape and Size Control of Substrate-Grown Gold Nanoparticles for Surface-Enhanced Raman Spectroscopy Detection of Chemical Analytes. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 2307-2314	3.8	38
464	Deducing the Adsorption Geometry of Rhodamine 6G from the Surface-Induced Mode Renormalization in Surface-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 465-473	3.8	13
463	Editorial for January 2018 for JPC A/B/C. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 1-7	2.8	1
462	Coherent Vibrational Wavepacket Dynamics in Platinum(II) Dimers and Their Implications. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 14195-14204	3.8	24
461	Structural Engineering in Plasmon Nanolasers. <i>Chemical Reviews</i> , 2018 , 118, 2865-2881	68.1	92
460	Energy transfer-enhanced photocatalytic reduction of protons within quantum dot light-harvesting-catalyst assemblies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 8290-8295	11.5	45
459	Free-Energy Profiles for A-/B-DNA Conformational Transitions in Isolated and Aggregated States from All-Atom Molecular Dynamics Simulation. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 7990-7996	3.4	3
458	Photoinduced Plasmon-Driven Chemistry in trans-1,2-Bis(4-pyridyl)ethylene Gold Nanosphere Oligomers. <i>Journal of the American Chemical Society</i> , 2018 , 140, 10583-10592	16.4	33
457	Photoinduced Anomalous Coulomb Blockade and the Role of Triplet States in Electron Transport through an Irradiated Molecular Transistor. <i>Nano Letters</i> , 2018 , 18, 5015-5023	11.5	18
456	Plasmonic Hot-Carrier-Mediated Tunable Photochemical Reactions. <i>ACS Nano</i> , 2018 , 12, 8415-8422	16.7	50
455	Benchmarking Semiempirical Methods To Compute Electrochemical Formal Potentials. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 6809-6818	2.8	9

454	Locally coupled open subsystems: A formalism for affordable electronic structure calculations featuring fractional charges and size consistency. <i>Journal of Chemical Physics</i> , 2018 , 149, 034105	3.9	5
453	Conformational Effects in the Transport of Glucose through a Cyclic Peptide Nanotube: A Molecular Dynamics Simulation Study. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 8174-8184	3.4	5
452	Closely packed, low reorganization energy extended postfullerene acceptors for efficient polymer solar cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E8341-E8348	11.5	85
451	Hydrogenation of CO on Ni(110) by Energetic Deuterium. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 14673-14677	3.8	16
450	Stretchable Nanolasing from Hybrid Quadrupole Plasmons. <i>Nano Letters</i> , 2018 , 18, 4549-4555	11.5	70
449	Phonon-Driven Oscillatory Plasmonic Excitonic Nanomaterials. <i>Nano Letters</i> , 2018 , 18, 442-448	11.5	8
448	Wave Functions, Density Functionals, and Artificial Intelligence for Materials and Energy Research: Future Prospects and Challenges. <i>ACS Energy Letters</i> , 2018 , 3, 155-162	20.1	12
447	Resonance Energy Transfer in Arbitrary Media: Beyond the Point Dipole Approximation. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 29445-29456	3.8	16
446	Development of formalisms based on locally coupled open subsystems for calculations in molecular electronic structure and dynamics. <i>Physical Review A</i> , 2018 , 98,	2.6	3
445	Singlet Fission in 9,10-Bis(phenylethynyl)anthracene Thin Films. <i>Journal of the American Chemical Society</i> , 2018 , 140, 15140-15144	16.4	48
444	Long-Range Energy Transfer in Protein Megamolecules. <i>Journal of the American Chemical Society</i> , 2018 , 140, 15731-15743	16.4	8
443	Isothermal Titration Calorimetry for the Screening of Aflatoxin B1 Surface-Enhanced Raman Scattering Sensor Affinity Agents. <i>Analytical Chemistry</i> , 2018 , 90, 13409-13418	7.8	13
442	Plasmon-Coupled Resonance Energy Transfer II: Exploring the Peaks and Dips in the Electromagnetic Coupling Factor. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 22650-22659	3.8	20
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