

Nathan Hammer

List of Publications by Year in descending order

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147
papers

5,373
citations

94433

37
h-index

91884

69
g-index

153
all docs

153
docs citations

153
times ranked

5687
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectral Signatures of Hydrated Proton Vibrations in Water Clusters. <i>Science</i> , 2005, 308, 1765-1769.	12.6	712
2	Infrared Signature of Structures Associated with the H+(H ₂ O) _n (n = 6 to 27) Clusters. <i>Science</i> , 2004, 304, 1137-1140.	12.6	547
3	How Do Small Water Clusters Bind an Excess Electron?. <i>Science</i> , 2004, 306, 675-679.	12.6	276
4	The vibrational predissociation spectra of the H ₅ O ₂ + TM RG _n (RG=Ar,Ne) clusters: Correlation of the solvent perturbations in the free OH and shared proton transitions of the Zundel ion. <i>Journal of Chemical Physics</i> , 2005, 122, 244301.	3.0	228
5	Probing the Chiroptical Response of a Single Molecule. <i>Science</i> , 2006, 314, 1437-1439.	12.6	210
6	Effect of Pyrolysis Temperature on PhysicoChemical Properties and Acoustic-Based Amination of Biochar for Efficient CO ₂ Adsorption. <i>Frontiers in Energy Research</i> , 2020, 8, .	2.3	138
7	Synthesis, Air Stability, Photobleaching, and DFT Modeling of Blue Light Emitting Platinum CCC-N-Heterocyclic Carbene Pincer Complexes. <i>Organometallics</i> , 2012, 31, 1664-1672.	2.3	104
8	Coverage-Mediated Suppression of Blinking in Solid State Quantum Dot Conjugated Organic Composite Nanostructures. <i>Journal of Physical Chemistry B</i> , 2006, 110, 14167-14171.	2.6	99
9	Nitroreductase-triggered activation of a novel caged fluorescent probe obtained from methylene blue. <i>Chemical Communications</i> , 2015, 51, 12787-12790.	4.1	91
10	Identification of Two Distinct Electron Binding Motifs in the Anionic Water Clusters: A Vibrational Spectroscopic Study of the (H ₂ O) ₆ -Isomers. <i>Journal of Physical Chemistry A</i> , 2005, 109, 7896-7901.	2.5	88
11	Observation of Enhanced Energy Transfer in Individual Quantum Dot Oligophenylene Vinylene Nanostructures. <i>Journal of the American Chemical Society</i> , 2006, 128, 3506-3507.	13.7	83
12	Ultrasound cavitation intensified amine functionalization: A feasible strategy for enhancing CO ₂ capture capacity of biochar. <i>Fuel</i> , 2018, 225, 287-298.	6.4	82
13	Urea functionalization of ultrasound-treated biochar: A feasible strategy for enhancing heavy metal adsorption capacity. <i>Ultrasonics Sonochemistry</i> , 2019, 51, 20-30.	8.2	82
14	Dipole-bound anions of carbonyl, nitrile, and sulfoxide containing molecules. <i>Journal of Chemical Physics</i> , 2003, 119, 3650-3660.	3.0	79
15	Vibrational predissociation spectroscopy of the (H ₂ O) ₆ "21a" clusters in the OH stretching region: Evolution of the excess electron-binding signature into the intermediate cluster size regime. <i>Journal of Chemical Physics</i> , 2005, 123, 244311.	3.0	72
16	Indoline-Based Donors as Organic Sensitizer Components for Dye-Sensitized Solar Cells. <i>Advanced Energy Materials</i> , 2015, 5, 1401629.	19.5	71
17	Infrared Spectroscopy of Water Cluster Anions, (H ₂ O) _{n=3-24} - in the HOH Bending Region: Persistence of the Double H-Bond Acceptor (AA) Water Molecule in the Excess Electron Binding Site of the Class I Isomers. <i>Journal of Physical Chemistry A</i> , 2006, 110, 7517-7520.	2.5	69
18	Quantum dots coordinated with conjugated organic ligands: new nanomaterials with novel photophysics. <i>Nanoscale Research Letters</i> , 2007, 2, 282-290.	5.7	65

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19	Dipole-bound anions of highly polar molecules: Ethylene carbonate and vinylene carbonate. <i>Journal of Chemical Physics</i> , 2004, 120, 685-690.	3.0	63
20	An Infrared Investigation of the (CO ₂) _n -Clusters: A Core Ion Switching from Both the Ion and Solvent Perspectives. <i>Journal of Physical Chemistry A</i> , 2005, 109, 3146-3152.	2.5	60
21	Multipole-bound molecular anions. <i>Advances in Gas Phase Ion Chemistry</i> , 2001, , 257-305.	0.8	60
22	Raman Spectroscopic Signatures of Noncovalent Interactions Between Trimethylamine N-oxide (TMAO) and Water. <i>Journal of Physical Chemistry B</i> , 2011, 115, 7699-7707.	2.6	53
23	Long-Range Electron Binding to Quadrupolar Molecules. <i>Physical Review Letters</i> , 2004, 92, 083003.	7.8	52
24	A Facile Electrochemical Reduction Method for Improving Photocatalytic Performance of Ir ^{III} -Fe ₂ O ₃ Photoanode for Solar Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 381-390.	8.0	51
25	Preparation and photoelectron spectrum of the glycine molecular anion: Assignment to a dipole-bound electron species with a high-dipole moment, non-zwitterionic form of the neutral core. <i>Journal of Chemical Physics</i> , 2004, 120, 9899-9902.	3.0	49
26	Effects of Hydrogen Bonding on Vibrational Normal Modes of Pyrimidine. <i>Journal of Physical Chemistry A</i> , 2010, 114, 6803-6810.	2.5	49
27	Donor-Acceptor Donor Thienopyrazines via Pd-Catalyzed C-H Activation as NIR Fluorescent Materials. <i>Journal of Organic Chemistry</i> , 2016, 81, 32-42.	3.2	48
28	Near-Infrared-Absorbing Indolizine-Porphyrin Push-Pull Dye for Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 16474-16489.	8.0	48
29	Mid-infrared characterization of the NH ₄ ⁺ (H ₂ O) _n clusters in the neighborhood of the n=20 magic number. <i>Journal of Chemical Physics</i> , 2005, 123, 164309.	3.0	47
30	Charge Transfer and Blue Shifting of Vibrational Frequencies in a Hydrogen Bond Acceptor. <i>Journal of Physical Chemistry A</i> , 2013, 117, 5435-5446.	2.5	46
31	A Cluster Study of Cl ₂ -Microhydration: A Size-Dependent Competition between Symmetrical H-Bonding to the Anion and the Formation of Cyclic Water Networks in the Cl ₂ -n(H ₂ O) Series. <i>Journal of Physical Chemistry A</i> , 2004, 108, 3910-3915.	2.5	45
32	Donor-Acceptor Donor NIR II Emissive Rhodindolizine Dye Synthesized by C-H Bond Functionalization. <i>Journal of Organic Chemistry</i> , 2019, 84, 13186-13193.	3.2	45
33	Indolizine-Cyanine Dyes: Near Infrared Emissive Cyanine Dyes with Increased Stokes Shifts. <i>Journal of Organic Chemistry</i> , 2019, 84, 687-697.	3.2	45
34	Preparation and photoelectron spectrum of the missing $\langle \text{mml:math altimg="si8.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co$	2.6	41
35	Synthesis, characterization, photophysical properties, and catalytic activity of an SCS bis(N-heterocyclic thione) (SCS-NHT) Pd pincer complex. <i>Dalton Transactions</i> , 2015, 44, 14475-14482.	3.3	41
36	Water-Soluble NIR Absorbing and Emitting Indolizine Cyanine and Indolizine Squaraine Dyes for Biological Imaging. <i>Journal of Organic Chemistry</i> , 2020, 85, 4089-4095.	3.2	41

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37	Boranes with Ultra-High Stokes Shift Fluorescence. <i>Organometallics</i> , 2018, 37, 3732-3741.	2.3	40
38	Molecular Design Principles for Near-Infrared Absorbing and Emitting Indolizine Dyes. <i>Chemistry - A European Journal</i> , 2016, 22, 15536-15542.	3.3	39
39	Blinking suppression and intensity recurrences in single CdSe-oligo(phenylene vinylene) nanostructures: experiment and kinetic model. <i>Nanotechnology</i> , 2007, 18, 424027.	2.6	37
40	Infrared Spectrum and Structural Assignment of the Water Trimer Anion. <i>Journal of Physical Chemistry A</i> , 2005, 109, 11526-11530.	2.5	35
41	Solid-state characterization of Felodipine Soluplus amorphous solid dispersions. <i>Drug Development and Industrial Pharmacy</i> , 2016, 42, 485-496.	2.0	35
42	Low-temperature acoustic-based activation of biochar for enhanced removal of heavy metals. <i>Journal of Water Process Engineering</i> , 2020, 34, 101166.	5.6	35
43	Counter Anion Effect on the Photophysical Properties of Emissive Indolizine-Cyanine Dyes in Solution and Solid State. <i>Molecules</i> , 2018, 23, 3051.	3.8	34
44	Platinum CCC-NHC benzimidazolyl pincer complexes: synthesis, characterization, photostability, and theoretical investigation of a blue-green emitter. <i>Dalton Transactions</i> , 2013, 42, 8820.	3.3	33
45	Synthesis of MoS ₂ from [Mo ₃ S ₇ (S ₂ CNEt ₂) ₃] for enhancing photoelectrochemical performance and stability of Cu ₂ O photocathode toward efficient solar water splitting. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9569-9582.	10.3	33
46	Exploring the correlation between network structure and electron binding energy in the (H ₂ O) ₇ ⁺ cluster through isomer-photoselected vibrational predissociation spectroscopy and <i>ab initio</i> calculations: Addressing complexity beyond types I-III. <i>Journal of Chemical Physics</i> , 2008, 128, 104314.	3.0	32
47	Near-Infrared Fluorescent Thienothiadiazole Dyes with Large Stokes Shifts and High Photostability. <i>Journal of Organic Chemistry</i> , 2017, 82, 5597-5606.	3.2	30
48	Low Frequency Ultrasound Enhanced Dual Amination of Biochar: A Nitrogen-Enriched Sorbent for CO ₂ Capture. <i>Energy & Fuels</i> , 2019, 33, 2366-2380.	5.1	30
49	Indolizine Squaraines: NIR Fluorescent Materials with Molecularly Engineered Stokes Shifts. <i>Chemistry - A European Journal</i> , 2017, 23, 12494-12501.	3.3	29
50	Fluorescence Lifetimes and Correlated Photon Statistics from Single CdSe/Oligo(phenylene vinylene) Composite Nanostructures. <i>Nano Letters</i> , 2007, 7, 2769-2773.	9.1	27
51	Surface and Interfacial Interactions in Dodecane/Brine Pickering Emulsions Stabilized by the Combination of Cellulose Nanocrystals and Emulsifiers. <i>Langmuir</i> , 2019, 35, 12061-12070.	3.5	25
52	Rapid Screening of Photoanode Materials Using Scanning Photoelectrochemical Microscopy Technique and Formation of Z-Scheme Solar Water Splitting System by Coupling p- and n-type Heterojunction Photoelectrodes. <i>ACS Applied Energy Materials</i> , 2018, 1, 2283-2294.	5.1	24
53	Peryleneimide functionalized bridged-siloxane nanoparticles for bulk heterojunction organic photovoltaics. <i>Nanoscale</i> , 2012, 4, 4631.	5.6	23
54	Semiconductor Nanocrystals Hybridized with Functional Ligands: New Composite Materials with Tunable Properties. <i>Materials</i> , 2010, 3, 614-637.	2.9	22

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55	Spectroscopic and computational insight into weak noncovalent interactions in crystalline pyrimidine. <i>Chemical Physics Letters</i> , 2011, 501, 319-323.	2.6	22
56	Molecular Engineering of Near Infrared Absorbing Thienopyrazine Double Donor Double Acceptor Organic Dyes for Dye-Sensitized Solar Cells. <i>Journal of Organic Chemistry</i> , 2017, 82, 12038-12049.	3.2	22
57	Probing Dative and Dihydrogen Bonding in Ammonia Borane with Electronic Structure Computations and Raman under Nitrogen Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2017, 121, 5884-5893.	2.5	22
58	Single-Molecule Studies of a Model Fluorenone. <i>ChemPhysChem</i> , 2007, 8, 1481-1486.	2.1	21
59	A Mononuclear Tungsten Photocatalyst for H ₂ Production. <i>ACS Catalysis</i> , 2018, 8, 4838-4847.	11.2	21
60	Noncovalent Interactions between Trimethylamine <i>N</i> -Oxide (TMAO), Urea, and Water. <i>Journal of Physical Chemistry B</i> , 2018, 122, 8805-8811.	2.6	21
61	Self-Assembling PCL-PAMAM Linear Dendritic Block Copolymers (LDBC)s for Bioimaging and Phototherapeutic Applications. <i>ACS Applied Bio Materials</i> , 2020, 3, 5664-5677.	4.6	21
62	Double-layer magnetized/functionalized biochar composite: Role of microporous structure for heavy metal removals. <i>Journal of Water Process Engineering</i> , 2021, 39, 101677.	5.6	21
63	Systematic Experimental and Computational Studies of Substitution and Hybridization Effects in Solid-State Halogen Bonded Assemblies. <i>Crystal Growth and Design</i> , 2018, 18, 3244-3254.	3.0	20
64	Structural Evolution of the [(CO ₂) _n (H ₂ O)] ⁺ Cluster Anions: Quantifying the Effect of Hydration on the Excess Charge Accommodation Motif. <i>Journal of Physical Chemistry A</i> , 2009, 113, 8942-8948.	2.5	19
65	Luminescence of Molecular and Block Copolymeric 2,7-Bis(phenylethenyl)-fluorenes; Identifying Green-Band Emitter Sites in a Fluorene-Based Luminophore. <i>Chemistry of Materials</i> , 2007, 19, 3265-3270.	6.7	18
66	Ullazine Donor-bridge-Acceptor Organic Dyes for Dye-Sensitized Solar Cells. <i>Chemistry - A European Journal</i> , 2018, 24, 5939-5949.	3.3	18
67	A Robust Pyridyl-NHC-Ligated Rhenium Photocatalyst for CO ₂ Reduction in the Presence of Water and Oxygen. <i>Inorganics</i> , 2018, 6, 22.	2.7	18
68	Synthesis, characterization, photophysics, and a ligand rearrangement of CCC-NHC pincer nickel complexes: Colors, polymorphs, emission, and Raman spectra. <i>Journal of Organometallic Chemistry</i> , 2017, 845, 258-265.	1.8	17
69	Tuning the structural and spectroscopic properties of donor-acceptor donor oligomers via mutual X-bonding, H-bonding, and π - π interactions. <i>Journal of Materials Chemistry C</i> , 2018, 6, 11992-12000.	5.5	17
70	Synthesis, Characterization, and Photophysics of Self-Assembled Mn(II)-MOF with Naphthalene Chromophore. <i>Journal of Physical Chemistry C</i> , 2021, 125, 792-802.	3.1	17
71	Vibrational Spectroscopy of N-Methyliminodiacetic Acid (MIDA)-Protected Boronate Ester: Examination of the B-N Dative Bond. <i>Journal of Physical Chemistry A</i> , 2011, 115, 6426-6431.	2.5	16
72	Quantifying the Effects of Halogen Bonding by Haloaromatic Donors on the Acceptor Pyrimidine. <i>ChemPhysChem</i> , 2017, 18, 1267-1273.	2.1	16

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73	Thienopyrroledione-Based Photosensitizers as Strong Photoinduced Oxidants: Oxidation of Fe(bpy) ₃ ²⁺ in a >1.3 V Dye-Sensitized Solar Cell. ACS Applied Energy Materials, 2019, 2, 5547-5556.	5.1	16
74	Advances in electro-copolymerization of NIR emitting and electronically conducting block copolymers. Journal of Materials Chemistry C, 2019, 7, 3168-3172.	5.5	16
75	Shortwave Infrared Absorptive and Emissive Pentamethine-Bridged Indolizine Cyanine Dyes. Journal of Organic Chemistry, 2021, 86, 15376-15386.	3.2	16
76	Iodine binding with thiophene and furan based dyes for DSCs. Physical Chemistry Chemical Physics, 2018, 20, 17859-17870.	2.8	15
77	Structures, Energetics and Vibrational Frequency Shifts of Hydrated Pyrimidine. ChemPhysChem, 2011, 12, 3262-3273.	2.1	14
78	Competition between Hydrophilic and Argyrophilic Interactions in Surface Enhanced Raman Spectroscopy. ChemPhysChem, 2016, 17, 2782-2786.	2.1	14
79	The onset of electron-induced proton-transfer in hydrated azabenzene cluster anions. Physical Chemistry Chemical Physics, 2016, 18, 704-712.	2.8	14
80	Isotope Effects in Dipole-Bound Anions of Acetone. Physical Review Letters, 2005, 94, 153004.	7.8	13
81	Comment on "Limits on Fluorescence Detected Circular Dichroism of Single Helicene Molecules". Journal of Physical Chemistry A, 2009, 113, 9757-9758.	2.5	13
82	Synergistic effects of halogen bond and "π" interactions in thiophene-based building blocks. RSC Advances, 2015, 5, 82544-82548.	3.6	13
83	Toward tightly bound carboxylic acid-based organic dyes for DSCs: relative TiO ₂ binding strengths of benzoic acid, cyanoacrylic acid, and conjugated double carboxylic acid anchoring dyes. Synthetic Metals, 2016, 222, 66-75.	3.9	13
84	Effect of "X" Ligands on the Photocatalytic Reduction of CO ₂ to CO with Re(pyridylNHCaCF ₃)(CO) ₃ X Complexes. European Journal of Inorganic Chemistry, 2020, 2020, 1844-1851.	2.0	13
85	Probing Interfacial Halogen-Bonding Effects with Halogenated Organic Dyes and a Lewis Base-Decorated Transition Metal-Based Redox Shuttle at a Metal Oxide Interface in Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2021, 125, 17647-17659.	3.1	13
86	Syntheses, and Optical, Fluorescence, and Nonlinear Optical Characterization of Phosphine-Substituted Terthiophenes. Inorganic Chemistry, 2011, 50, 2015-2027.	4.0	12
87	Raman Under Liquid Nitrogen (RUN). Journal of Physics: Conference Series, 2014, 548, 012017.	0.4	12
88	Noncovalent Interactions in Microsolvated Networks of Trimethylamine N-Oxide. Journal of Physical Chemistry B, 2014, 118, 449-459.	2.6	12
89	Photoelectron Spectroscopic and Computational Study of Hydrated Pyrimidine Anions. Journal of Physical Chemistry A, 2014, 118, 11901-11907.	2.5	12
90	Intermolecular Interactions and Vibrational Perturbations within Mixtures of 1-Ethyl-3-methylimidazolium Thiocyanate and Water. Journal of Physical Chemistry C, 2018, 122, 27673-27680.	3.1	12

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91	Covalent synthesis of peryleneimide-bridged silsesquioxane nanoribbons and their electronic properties. <i>RSC Advances</i> , 2014, 4, 30172-30179.	3.6	11
92	Characterization of Furan- and Thiophene-Containing Bispyridyl Oligomers via Spectroscopic, Electrochemical, and TD-DFT Methods. <i>Journal of Physical Chemistry C</i> , 2019, 123, 15176-15185.	3.1	11
93	Photocatalytic H ₂ -Evolution by Homogeneous Molybdenum Sulfide Clusters Supported by Dithiocarbamate Ligands. <i>Inorganic Chemistry</i> , 2019, 58, 16458-16474.	4.0	11
94	Blue Electrogenenerated Chemiluminescence from Halide Perovskite Nanocrystals. <i>Journal of Analysis and Testing</i> , 2019, 3, 125-133.	5.1	11
95	Negative ions of ethylene sulfite. <i>Journal of Chemical Physics</i> , 2005, 122, 204319.	3.0	10
96	Particle in a Disk: A Spectroscopic and Computational Laboratory Exercise Studying the Polycyclic Aromatic Hydrocarbon Corannulene. <i>Journal of Chemical Education</i> , 2014, 91, 2186-2190.	2.3	10
97	Quinoxaline-Based Dual Donor, Dual Acceptor Organic Dyes for Dye-Sensitized Solar Cells. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1421.	2.5	10
98	SWIR emissive RosIndolizine dyes with nanoencapsulation in water soluble dendrimers. <i>RSC Advances</i> , 2021, 11, 27832-27836.	3.6	10
99	Raman Spectroscopy as the Method of Detection for Constructing a Binary Liquid-Vapor Phase Diagram. <i>Journal of Chemical Education</i> , 2011, 88, 1162-1165.	2.3	9
100	Synthesis and characterization of poly(3-hexylthiophene)-functionalized siloxane nanoparticles. <i>Nanoscale</i> , 2013, 5, 3212.	5.6	9
101	Photocatalytic Water Splitting and Carbon Dioxide Reduction. , 2017, , 2709-2756.		9
102	Evaluating Donor Effects in Isoindigo-Based Small Molecular Fluorophores. <i>Journal of Physical Chemistry A</i> , 2020, 124, 10777-10786.	2.5	9
103	Water network-mediated, electron-induced proton transfer in [C ₅ H ₅ N ... (H ₂ O) _n] ⁺ clusters. <i>Journal of Chemical Physics</i> , 2015, 143, 144305.	3.0	8
104	Iron Redox Shuttles with Wide Optical Gap Dyes for High-Voltage Dye-Sensitized Solar Cells. <i>ChemSusChem</i> , 2021, 14, 3084-3096.	6.8	8
105	Probing halogen bonding interactions between heptafluoro-2-iodopropane and three azabenzene with Raman spectroscopy and density functional theory. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 11713-11720.	2.8	8
106	Charge transfer reactions between chiral Rydberg atoms and chiral molecules. <i>Journal of Chemical Physics</i> , 2002, 117, 4299-4305.	3.0	7
107	Impact of Biomass Sources on Acoustic-Based Chemical Functionalization of Biochars for Improved CO ₂ Adsorption. <i>Energy & Fuels</i> , 2020, 34, 8608-8627.	5.1	7
108	A Raman Spectroscopic and Computational Study of New Aromatic Pyrimidine-Based Halogen Bond Acceptors. <i>Inorganics</i> , 2019, 7, 119.	2.7	6

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109	A De Novo-Designed Artificial Metallopeptide Hydrogenase: Insights into Photochemical Processes and the Role of Protonated Cys. <i>ChemSusChem</i> , 2021, 14, 2237-2246.	6.8	6
110	Lewis Acid-Lewis Base Interactions Promote Fast Interfacial Electron Transfers with a Pyridine-Based Donor Dye in Dye-Sensitized Solar Cells. <i>ACS Applied Energy Materials</i> , 2022, 5, 1516-1527.	5.1	6
111	Infrared Signature of Structures Associated with the H+(H ₂ O) _n (n = 6 to 27) Clusters.. <i>ChemInform</i> , 2004, 35, no.	0.0	5
112	Characterizing the Bi- ν -P Stretching Vibration in Phosphorus-Substituted Phosphine Boranes. <i>ChemPhysChem</i> , 2014, 15, 1867-1871.	2.1	5
113	Preparation of n-type semiconducting polymer nanoarrays by covalent synthesis followed by crystallization. <i>New Journal of Chemistry</i> , 2015, 39, 2004-2010.	2.8	5
114	Effects of electric fields and collisions on highly excited rubidium atoms. <i>European Physical Journal D</i> , 2003, 26, 27-32.	1.3	4
115	Single molecule spectroscopic studies of organic rectifiers composed of pyrene and perylenebisimide. <i>Chemical Physics Letters</i> , 2012, 550, 138-145.	2.6	4
116	Raman spectroscopic and quantum chemical investigation of the effects of trimethylamine N-oxide on hydrated guanidinium and hydrogen-bonded water networks. <i>Journal of Raman Spectroscopy</i> , 2021, 52, 788-795.	2.5	4
117	Probing the Effects of Electron Deficient Aryl Substituents and a System Extended NHC Ring on the Photocatalytic CO ₂ Reduction Reaction with Re π NHC-Aryl Complexes**. <i>ChemPhotoChem</i> , 2021, 5, 353-361.	3.0	4
118	Preferential Direction of Electron Transfers at a Dye-Metal Oxide Interface with an Insulating Fluorinated Self-Assembled Monolayer and MgO. <i>Journal of Physical Chemistry C</i> , 2021, 125, 25410-25421.	3.1	4
119	Cross-linking Poly(caprolactone)-Polyamidoamine Linear Dendritic Block Copolymers for Theranostic Nanomedicine. <i>ACS Applied Polymer Materials</i> , 2022, 4, 2972-2986.	4.4	4
120	Tracking the Amide I and ν -COO ⁻ Terminal ν (C=O) Raman Bands in a Family of L-Glutamic Acid-Containing Peptide Fragments: A Raman and DFT Study. <i>Molecules</i> , 2021, 26, 4790.	3.8	3
121	Photocatalytic Water Splitting and Carbon Dioxide Reduction. , 2012, , 1755-1780.		2
122			

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127	Suppression of Blinking in Solid State Quantum Dot/ Conjugated Organic Polymer Composite Nanostructures. , 2006, , LW4.		1
128	Raman and SERS Spectroscopy of N-Methyliminodiacetic Acid (MIDA)-Protected Boronate Esters. , 2010, , .		1
129	Recent Advancements in Chemical Physics. Journal of Physical Chemistry A, 2015, 119, 12909-12910.	2.5	1
130	Basic Residue at Position 14 Is Not Required for Fast Assembly and Disassembly Kinetics in Neural Cadherin. Biochemistry, 2015, 54, 836-843.	2.5	1
131	Studying the Binomial Distribution Using LabVIEW. Journal of Chemical Education, 2015, 92, 389-394.	2.3	1
132	Partial displacement of a triamine ligand from a platinum(II) complex after reaction with N-acetylmethionine. Inorganica Chimica Acta, 2017, 458, 163-170.	2.4	1
133	Introducing Students to a Synthetic and Spectroscopic Study of the Free Radical Chlorine Dioxide. Journal of Chemical Education, 2017, 94, 515-520.	2.3	1
134	Determination of vibrational band positions in the E-hook of β -tubulin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 244, 118895.	3.9	1
135	Relative energetics of CH ₃ CH ₂ O, CH ₃ CHOH, and CH ₂ CH ₂ OH radical products from ethanol dehydrogenation. Journal of Chemical Physics, 2021, 155, 114306.	3.0	1
136	Effects of nanoaggregation on isoindigo-based fluorophores for near-infrared bioimaging applications. Molecular Systems Design and Engineering, 0, , .	3.4	1
137	Single Molecule Studies of a 2,7-Bis-(Phenylethenyl)fluorenone: Implications for Green-Emission Bands in Fluorene-Based OLEDs. Materials Research Society Symposia Proceedings, 2006, 965, 1.	0.1	0
138	Robust Circular Polarized Emission from Nanoscopic Single-Molecule Sources: Application to Solid State Devices. Materials Research Society Symposia Proceedings, 2006, 965, 1.	0.1	0
139	Modification of Blinking Statistics in Solid State Quantum Dot/Conjugated Organic Polymer Composite Nanostructures. Materials Research Society Symposia Proceedings, 2006, 959, 1.	0.1	0
140	Probing Photophysics of Individual Quantum Dot/Organic Hybrid Nanostructures. , 2007, , .		0
141	Raman Spectroscopic Signatures of Noncovalent Interactions Involving Trimethylamine N-oxide (TMAO). , 2010, , .		0
142	Raman Spectroscopic Investigations of Noncovalent Interactions between Pyrimidine and Hydrogen Bonded Networks. , 2010, , .		0
143	Frontispiece: Indolizine- π -Squaraines: NIR Fluorescent Materials with Molecularly Engineered Stokes Shifts. Chemistry - A European Journal, 2017, 23, .	3.3	0
144	Importance of a Truly Cohesive Theme in a REU Program. ACS Symposium Series, 2018, , 157-175.	0.5	0

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145	Periodic Intensity Fluctuations in Functionalized Semiconductor Quantum Dots: Correlation with Ligand Coverage. , 2007, , .		0
146	Diffusive Coordinate Model for Blinking Suppression and Intensity Fluctuations in CdSe-OPV Quantum Dots. , 2007, , .		0
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