

King-Chuen Lin

List of Publications by Year in descending order

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266
papers

5,406
citations

87843

38
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268
all docs

268
docs citations

268
times ranked

4618
citing authors

#	ARTICLE	IF	CITATIONS
1	Unravelling the Multiple Emissive States in Citric-Acid-Derived Carbon Dots. <i>Journal of Physical Chemistry C</i> , 2016, 120, 1252-1261.	1.5	255
2	Recent Advances in Functionalized Carbon Dots toward the Design of Efficient Materials for Sensing and Catalysis Applications. <i>Small</i> , 2020, 16, e1905767.	5.2	217
3	Ultrathin Sulfur-Doped Graphitic Carbon Nitride Nanosheets As Metal-Free Catalyst for Electrochemical Sensing and Catalytic Removal of 4-Nitrophenol. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16021-16031.	3.2	137
4	Research Progress on Porous Carbon Supported Metal/Metal Oxide Nanomaterials for Supercapacitor Electrode Applications. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 6347-6374.	1.8	132
5	Biomass-Derived Activated Carbon Supported Fe ₃ O ₄ Nanoparticles as Recyclable Catalysts for Reduction of Nitroarenes. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 6772-6782.	3.2	108
6	Chemically Induced Fluorescence Switching of Carbon-Dots and Its Multiple Logic Gate Implementation. <i>Scientific Reports</i> , 2015, 5, 10012.	1.6	88
7	Biomass Derived Sheet-like Carbon/Palladium Nanocomposite: An Excellent Opportunity for Reduction of Toxic Hexavalent Chromium. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 5302-5312.	3.2	79
8	Polymeric Ladderphanes. <i>Journal of the American Chemical Society</i> , 2009, 131, 12579-12585.	6.6	75
9	Detection of iron species using inductively coupled plasma mass spectrometry under cold plasma temperature conditions. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2001, 56, 123-128.	1.5	70
10	Palladium and silver nanoparticles embedded on zinc oxide nanostars for photocatalytic degradation of pesticides and herbicides. <i>Chemical Engineering Journal</i> , 2021, 410, 128434.	6.6	63
11	Fabrication of Platinum-Rhenium Nanoparticle-Decorated Porous Carbons: Voltammetric Sensing of Furazolidone. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 3591-3605.	3.2	57
12	Ultrathin 2D graphitic carbon nitride nanosheets decorated with silver nanoparticles for electrochemical sensing of quercetin. <i>Journal of Electroanalytical Chemistry</i> , 2018, 826, 207-216.	1.9	56
13	Pyrene-Based Chemosensor for Picric Acid—Fundamentals to Smartphone Device Design. <i>Analytical Chemistry</i> , 2019, 91, 13244-13250.	3.2	56
14	Highly stable ruthenium nanoparticles on 3D mesoporous carbon: an excellent opportunity for reduction reactions. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23448-23457.	5.2	52
15	Characterization of Two Types of Silanol Groups on Fused-Silica Surfaces Using Evanescent-Wave Cavity Ring-Down Spectroscopy. <i>Analytical Chemistry</i> , 2007, 79, 3654-3661.	3.2	51
16	Well-dispersed rhenium nanoparticles on three-dimensional carbon nanostructures: Efficient catalysts for the reduction of aromatic nitro compounds. <i>Journal of Colloid and Interface Science</i> , 2017, 506, 271-282.	5.0	51
17	Highly sensitive fluorogenic sensing of L-Cysteine in live cells using gelatin-stabilized gold nanoparticles decorated graphene nanosheets. <i>Sensors and Actuators B: Chemical</i> , 2018, 259, 339-346.	4.0	50
18	Productions of I, I*, and C ₂ H ₅ in the A-band photodissociation of ethyl iodide in the wavelength range from 245 to 283 nm by using ion-imaging detection. <i>Journal of Chemical Physics</i> , 2007, 126, 064302.	1.2	48

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19	The correlation between ion production and emission intensity in the laser-induced breakdown spectroscopy of liquid droplets. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2002, 57, 35-48.	1.5	47
20	Silicon Quantum Dot-Based Fluorescence Turn-On Metal Ion Sensors in Live Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 23953-23962.	4.0	47
21	Computational Studies of Versatile Heterogeneous Palladium-Catalyzed Suzuki, Heck, and Sonogashira Coupling Reactions. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 8475-8490.	3.2	46
22	Alkali-hydrogen reactions. <i>International Reviews in Physical Chemistry</i> , 2002, 21, 357-383.	0.9	45
23	Molecular elimination of Br ₂ in 248 nm photolysis of bromoform probed by using cavity ring-down absorption spectroscopy. <i>Journal of Chemical Physics</i> , 2004, 121, 5253-5260.	1.2	45
24	Roads leading to roam. Role of triple fragmentation and of conical intersections in photochemical reactions: experiments and theory on methyl formate. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 2854-2865.	1.3	45
25	Determination of lanthanides in rock samples by inductively coupled plasma mass spectrometry using thorium as oxide and hydroxide correction standard. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2003, 58, 809-822.	1.5	44
26	An overview of palladium supported on carbon-based materials: Synthesis, characterization, and its catalytic activity for reduction of hexavalent chromium. <i>Chemosphere</i> , 2020, 253, 126750.	4.2	44
27	MnCo ₂ O ₄ Microflowers Anchored on P-Doped g-C ₃ N ₄ Nanosheets as an Electrocatalyst for Voltammetric Determination of the Antibiotic Drug Sulfadiazine. <i>ACS Applied Electronic Materials</i> , 2021, 3, 3915-3926.	2.0	44
28	State-selective reaction of excited potassium atom with hydrogen molecule. K*+H ₂ →KH+H. <i>Journal of Chemical Physics</i> , 1989, 90, 6151-6156.	1.2	43
29	Reaction pathway, energy barrier, and rotational state distribution for Li(2s)+H ₂ →LiH(X ⁺)+H. <i>Journal of Chemical Physics</i> , 2001, 114, 9395-9401.	1.2	43
30	Aligned molecules: chirality discrimination in photodissociation and in molecular dynamics. <i>Rendiconti Lincei</i> , 2013, 24, 299-308.	1.0	43
31	Three-dimensional zinc oxide nanostars anchored on graphene oxide for voltammetric determination of methyl parathion. <i>Mikrochimica Acta</i> , 2020, 187, 17.	2.5	42
32	Development of Palladium on Bismuth Sulfide Nanorods as a Bifunctional Nanomaterial for Efficient Electrochemical Detection and Photoreduction of Hg(II) Ions. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 5908-5920.	4.0	42
33	Voltammetric determination of catechol and hydroquinone using nitrogen-doped multiwalled carbon nanotubes modified with nickel nanoparticles. <i>Mikrochimica Acta</i> , 2018, 185, 395.	2.5	41
34	Rotational population distribution of KH (v=0, 1, 2, and 3) in the reaction of K(5s+2p), 6s+2p, and 7s+2p) with H ₂ : Reaction mechanism and product energy disposal. <i>Journal of Chemical Physics</i> , 1996, 105, 9121-9129.	1.2	40
35	Photoinduced Electron Transfer in Silylene-Spaced Copolymers Having Alternating Donor-Acceptor Chromophores. <i>Macromolecules</i> , 2007, 40, 2666-2671.	2.2	40
36	Temperature effect on nascent rotational state distribution of product MgH in reaction of Mg(3s3p1P1)+H ₂ →MgH+H. <i>Journal of Chemical Physics</i> , 1989, 91, 5387-5391.	1.2	39

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37	Matrix effect on emission/current correlated analysis in laser-induced breakdown spectroscopy of liquid droplets. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2004, 59, 321-326.	1.5	39
38	Two-step laser-assisted ionization of sodium in a hydrogen-oxygen-argon flame. <i>Analytical Chemistry</i> , 1981, 53, 1275-1279.	3.2	38
39	Mass-Analyzed Threshold Ionization Spectroscopy of o-, m-, and p-Methylaniline Cations: Vicinal Substitution Effects on Electronic Transition, Ionization, and Molecular Vibration. <i>Journal of Physical Chemistry A</i> , 2002, 106, 6462-6468.	1.1	38
40	Halogen Effect on the Photodissociation Mechanism for Gas-Phase Bromobenzene and Iodobenzene. <i>ChemPhysChem</i> , 2008, 9, 1130-1136.	1.0	38
41	Fluorescence turn-on chemosensors based on surface-functionalized MoS ₂ quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2019, 281, 659-669.	4.0	38
42	Gold Nanoparticle Embedded on a Reduced Graphene Oxide/polypyrrole Nanocomposite: Voltammetric Sensing of Furazolidone and Flutamide. <i>Langmuir</i> , 2020, 36, 13949-13962.	1.6	38
43	Dynamical, spectroscopic and computational imaging of bond breaking in photodissociation: roaming and role of conical intersections. <i>Faraday Discussions</i> , 2015, 177, 77-98.	1.6	37
44	Multisensing Capability of MoSe ₂ Quantum Dots by Tuning Surface Functional Groups. <i>ACS Applied Nano Materials</i> , 2018, 1, 3453-3463.	2.4	37
45	Directions of chemical change: experimental characterization of the stereodynamics of photodissociation and reactive processes. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 9776.	1.3	36
46	Catalytic Activity of Bimetallic (Ruthenium/Palladium) Nanoalloy Decorated Porous Carbons Toward Reduction of Toxic Compounds. <i>Chemistry - an Asian Journal</i> , 2019, 14, 2662-2675.	1.7	36
47	Collisional deactivation of K(7s ²) and K(5d) by H ₂ . <i>Journal of Chemical Physics</i> , 1991, 94, 3529-3536.	1.2	35
48	Catalytic effect of a single water molecule on the OH + CH ₂ NH reaction. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 4297-4307.	1.3	35
49	Paper flower-derived porous carbons with high-capacitance by chemical and physical activation for sustainable applications. <i>Arabian Journal of Chemistry</i> , 2020, 13, 2995-3007.	2.3	35
50	Photodissociation of Propionaldehyde at 248 nm: Roaming Pathway as an Increasingly Important Role in Large Aliphatic Aldehydes. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 190-195.	2.1	34
51	Ultra-sensitive DNA sensing of a prostate-specific antigen based on 2D nanosheets in live cells. <i>Nanoscale</i> , 2017, 9, 12087-12095.	2.8	34
52	Activated porous carbon supported rhenium composites as electrode materials for electrocatalytic and supercapacitor applications. <i>Electrochimica Acta</i> , 2018, 271, 433-447.	2.6	34
53	Low-cost palladium decorated on <i>m</i> -aminophenol-formaldehyde-derived porous carbon spheres for the enhanced catalytic reduction of organic dyes. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 354-363.	3.0	34
54	Energy considerations in dual laser ionization processes in flames. <i>Analytical Chemistry</i> , 1983, 55, 2382-2387.	3.2	33

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55	Sr-Doped NiO ₃ nanorods synthesized by a simple sonochemical method as excellent materials for voltammetric determination of quercetin. <i>New Journal of Chemistry</i> , 2020, 44, 2821-2832.	1.4	33
56	Uncertainty propagation through correction methodology for the determination of rare earth elements by quadrupole based inductively coupled plasma mass spectrometry. <i>Analytica Chimica Acta</i> , 2005, 530, 91-103.	2.6	32
57	Ultrafine gold nanoparticle embedded poly(diallyldimethylammonium chloride)-graphene oxide hydrogels for voltammetric determination of an antimicrobial drug (metronidazole). <i>Journal of Materials Chemistry C</i> , 2020, 8, 7575-7590.	2.7	32
58	Species-Selected Mass-Analyzed Threshold Ionization Spectra of m-Fluoroaniline Cation. <i>Applied Spectroscopy</i> , 2001, 55, 120-124.	1.2	31
59	Influence of vibrational excitation on the reaction $\text{Li}(2\text{S}^2\text{P}) + \text{H}_2(\nu=1) \rightarrow \text{LiH}(X^1\Sigma^+) + \text{H}$. <i>Journal of Chemical Physics</i> , 2003, 119, 8785-8789.	1.2	31
60	Kinetic and Thermodynamic Investigation of Rhodamine B Adsorption at Solid/Solvent Interfaces by Use of Evanescent-Wave Cavity Ring-Down Spectroscopy. <i>Analytical Chemistry</i> , 2010, 82, 868-877.	3.2	31
61	Orientation dependence for Br formation in the reaction of oriented OH radical with HBr molecule. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 1419-1423.	1.3	31
62	Molecular elimination of methyl formate in photolysis at 234 nm: roaming vs. transition state-type mechanism. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 7154.	1.3	31
63	Functionalized Mesoporous Carbon Nanostructures for Efficient Removal of Eriochrome Black-T from Aqueous Solution. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 1305-1321.	1.0	31
64	State-specific reaction and product energy disposal of electronically excited potassium with hydrogen molecule. <i>Journal of Chemical Physics</i> , 1997, 107, 4244-4252.	1.2	30
65	Orientation dependence in the four-atom reaction of OH + HBr using the single-state oriented OH radical beam. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 2532.	1.3	30
66	Simple Preparation of Porous Carbon-Supported Ruthenium: Propitious Catalytic Activity in the Reduction of Ferrocyanate(III) and a Cationic Dye. <i>ACS Omega</i> , 2018, 3, 12609-12621.	1.6	30
67	Voltammetric determination of vitamin B2 by using a highly porous carbon electrode modified with palladium-copper nanoparticles. <i>Mikrochimica Acta</i> , 2019, 186, 299.	2.5	30
68	Laser-induced breakdown spectroscopy in analysis of Al ³⁺ liquid droplets: On-line preconcentration by use of flow-injection manifold. <i>Analytica Chimica Acta</i> , 2007, 581, 303-308.	2.6	29
69	Communication: Photodissociation of CH ₃ CHO at 308 nm: Observation of H-roaming, CH ₃ -roaming, and transition state pathways together along the ground state surface. <i>Journal of Chemical Physics</i> , 2015, 142, 041101.	1.2	29
70	Roaming as the dominant mechanism for molecular products in the photodissociation of large aliphatic aldehydes. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 23112-23120.	1.3	29
71	A Metal-Free Carbon-Based Catalyst: An Overview and Directions for Future Research. <i>Journal of Carbon Research</i> , 2018, 4, 54.	1.4	29
72	Electrochemical sensor-based barium zirconate on sulphur-doped graphitic carbon nitride for the simultaneous determination of nitrofurantoin (antibacterial agent) and nilutamide (anticancer drug). <i>Journal of Electroanalytical Chemistry</i> , 2021, 901, 115782.	1.9	29

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73	Laser-induced breakdown spectroscopy of liquid droplets: correlation analysis with plasma-induced current versus continuum background. <i>Journal of Analytical Atomic Spectrometry</i> , 2005, 20, 53.	1.6	28
74	Laser-Enhanced Ionization Detection of Pb in Seawater by Flow Injection Analysis with On-Line Preconcentration and Separation. <i>Analytical Chemistry</i> , 1999, 71, 1561-1567.	3.2	27
75	Rotational energy transfer within CH ₂ (v=0) and B ₂ (v=0) states by collisions with He, Ar, N ₂ , CO, N ₂ O, and CHBr ₃ using a time-resolved Fourier transform spectrometer. <i>Journal of Chemical Physics</i> , 2000, 112, 10204-10211.	1.2	27
76	248nm photolysis of CH ₂ Br ₂ by using cavity ring-down absorption spectroscopy: Br ₂ molecular elimination at room temperature. <i>Journal of Chemical Physics</i> , 2006, 125, 133319.	1.2	27
77	Hexapole-Oriented Asymmetric-Top Molecules and Their Stereodirectional Photodissociation Dynamics. <i>Journal of Physical Chemistry A</i> , 2016, 120, 5389-5398.	1.1	27
78	Pyrene-based prospective biomaterial: In vitro bioimaging, protein binding studies and detection of bilirubin and Fe ³⁺ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 221, 117150.	2.0	25
79	Zinc and Sulfur Codoped Iron Oxide Nanocubes Anchored on Carbon Nanotubes for the Detection of Antitubercular Drug Isoniazid. <i>ACS Applied Nano Materials</i> , 2021, 4, 4562-4575.	2.4	25
80	Aptamer-based fluorogenic sensing of interferon-gamma probed with ReS ₂ and TiS ₂ nanosheets. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 929-936.	4.0	25
81	Collisional deactivation for K in high-lying 2S and 2D states by H ₂ . <i>Physical Review A</i> , 1992, 46, 3834-3839.	1.0	24
82	Br ₂ elimination in 248-nm photolysis of CF ₂ Br ₂ probed by using cavity ring-down absorption spectroscopy. <i>Journal of Chemical Physics</i> , 2005, 123, 134312.	1.2	24
83	Photodissociation of CH ₃ CHO at 248 nm by time-resolved Fourier-transform infrared emission spectroscopy: Verification of roaming and triple fragmentation. <i>Journal of Chemical Physics</i> , 2014, 140, 064313.	1.2	24
84	Graphene Oxide Nanosheets as An Efficient and Reusable Sorbents for Eosin Yellow Dye Removal from Aqueous Solutions. <i>ChemistrySelect</i> , 2017, 2, 3598-3607.	0.7	24
85	Highly Selective Voltammetric Sensor for L-Tryptophan Using Composite-Modified Electrode Composed of CuSn(OH) ₆ Microsphere Decorated on Reduced Graphene Oxide. <i>Journal of Physical Chemistry C</i> , 2020, 124, 25821-25834.	1.5	24
86	Vibrational and rotational population distributions of MgH(v TM =0 and 1) produced in the reaction of Mg(3s3p1P1) with H ₂ . <i>Physical Review A</i> , 1994, 50, 4891-4898.	1.0	23
87	Photodissociation of Gaseous Acetyl Chloride at 248 nm by Time-Resolved Fourier-Transform Infrared Spectroscopy: The HCl, CO, and CH ₂ Product Channels. <i>Journal of Physical Chemistry A</i> , 2010, 114, 7275-7283.	1.1	23
88	Photodissociation of dibromoethanes at 248 nm: An ignored channel of Br ₂ elimination. <i>Journal of Chemical Physics</i> , 2009, 130, 184308.	1.2	22
89	Rovibrationally Excited Molecules on the Verge of a Triple Breakdown: Molecular and Roaming Mechanisms in the Photodecomposition of Methyl Formate. <i>Journal of Physical Chemistry A</i> , 2016, 120, 5155-5162.	1.1	22
90	Photodissociation of CH ₃ CHO at 248 nm: identification of the channels of roaming, triple fragmentation and the transition state. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 18628-18634.	1.3	22

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91	Alignment effects in Ca ⁺ He(5s ¹ 1P ¹ 5s ³ P) energy transfer collisions by far wing laser scattering. Journal of Chemical Physics, 1988, 89, 4771-4776.	1.2	21
92	Ab initio calculation for potential energy surfaces relevant to the microscopic reaction pathways for Mg(3s3p1P1)+H2 ⁺ MgH(2 Σ^+)+H. Journal of Chemical Physics, 1998, 108, 1475-1484.	1.2	21
93	Insight into the Photodissociation Dynamical Feature of Conventional Transition State and Roaming Pathways by an Impulsive Model. Journal of Physical Chemistry A, 2015, 119, 29-38.	1.1	21
94	Ultrafine Bi ⁺ Sn nanoparticles decorated on carbon aerogels for electrochemical simultaneous determination of dopamine (neurotransmitter) and clozapine (antipsychotic drug). Nanoscale, 2020, 12, 22217-22233.	2.8	21
95	Br ₂ molecular elimination in 248nm photolysis of CHBr ₂ Cl by using cavity ring-down absorption spectroscopy. Journal of Chemical Physics, 2007, 126, 034311.	1.2	20
96	Photodissociation Dynamics of Bromofluorobenzenes Using Velocity Imaging Technique. Journal of Physical Chemistry A, 2008, 112, 1421-1429.	1.1	20
97	Stereodirectional images of molecules oriented by a variable-voltage hexapolar field: Fragmentation channels of 2-bromobutane electronically excited at two photolysis wavelengths. Journal of Chemical Physics, 2017, 147, 013917.	1.2	20
98	Quasiclassical Trajectory Calculations of Mg(3s3p1P1) + H ₂ ($\tilde{l}.. = 0, N = 1$) $\hat{\rightarrow}$ MgH ($\tilde{l}.., N$) + H: Trajectory and Angular Momentum Analysis on Improved ab Initio Potential Energy Surfaces. Journal of Physical Chemistry A, 2001, 105, 41-47.	1.1	19
99	Molecular Adsorption at Silica/CH ₃ CN Interface Probed by Using Evanescent Wave Cavity Ring-Down Absorption Spectroscopy: A Determination of Thermodynamic Properties. Analytical Chemistry, 2006, 78, 3583-3590.	3.2	19
100	Silver Nanoparticles Modified Graphitic Carbon Nitride Nanosheets as a Significant Bifunctional Material for Practical Applications. ChemistrySelect, 2017, 2, 1398-1408.	0.7	19
101	Binder-Free Modification of a Glassy Carbon Electrode by Using Porous Carbon for Voltammetric Determination of Nitro Isomers. ACS Omega, 2019, 4, 8907-8918.	1.6	19
102	Flame temperature determination by dual laser ionization. Chemical Physics Letters, 1982, 90, 111-116.	1.2	18
103	Collisional deactivation of potassium (52P) by molecular hydrogen. Identification of the primary quenching channel. The Journal of Physical Chemistry, 1984, 88, 6670-6675.	2.9	18
104	Reaction dynamics of Mg(3s3p ¹ P ¹) with CH ₄ : Elucidation of reaction pathways for the MgH product by the measurement of temperature dependence and the calculation of ab initio potential energy surfaces. Journal of Chemical Physics, 1996, 104, 1370-1379.	1.2	18
105	Rotational and vibrational state distributions of NaH in the reactions of Na(4S ₂ ,3D ₂ ,and6S ₂) with H ₂ : Insertion versus harpoon-type mechanisms. Journal of Chemical Physics, 2008, 128, 234309.	1.2	18
106	Recent Developments in Carbon-Based Nanocomposites for Fuel Cell Applications: A Review. Molecules, 2022, 27, 761.	1.7	18
107	I ₂ molecular elimination in single-photon dissociation of CH ₂ I ₂ at 248 nm by using cavity ring-down absorption spectroscopy. Journal of Chemical Physics, 2011, 134, 034315.	1.2	17
108	AIE Nanodots Obtained from a Pyrene Schiff Base and Their Applications. ChemistrySelect, 2017, 2, 1353-1359.	0.7	17

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109	Photochemically Synthesized Ruthenium Nanoparticle-Decorated Carbon-Dot Nanochains: An Efficient Catalyst for Synergistic Redox Reactions. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 13759-13769.	4.0	17
110	Photodissociation dynamics of propionyl chloride in the ultraviolet region. <i>Journal of Chemical Physics</i> , 2009, 130, 014307.	1.2	16
111	Nonadiabatic Transition in the A-Band Photodissociation of Ethyl Iodide from 294 to 308 nm by Using Velocity Imaging Detection. <i>Journal of Physical Chemistry A</i> , 2009, 113, 35-39.	1.1	16
112	Gas-phase photodissociation of CH ₃ COCN at 308 nm by time-resolved Fourier-transform infrared emission spectroscopy. <i>Journal of Chemical Physics</i> , 2012, 136, 044302.	1.2	16
113	Quasiclassical Trajectory Study of Mg(3s3pP1) + H ₂ Reaction on Fitted ab Initio Surfaces. <i>Journal of Physical Chemistry A</i> , 1999, 103, 7938-7948.	1.1	15
114	Temperature effect on the deactivation of electronically excited potassium by hydrogen molecule. <i>Journal of Chemical Physics</i> , 2000, 113, 4613-4619.	1.2	15
115	Photodissociation of gaseous CH ₃ COSH at 248 nm by time-resolved Fourier-transform infrared emission spectroscopy: Observation of three dissociation channels. <i>Journal of Chemical Physics</i> , 2013, 138, 014302.	1.2	15
116	Mathematical Correction for Polyatomic Isobaric Spectral Interferences in Determination of Lanthanides by Inductively Coupled Plasma Mass Spectrometry. <i>Journal of the Chinese Chemical Society</i> , 2005, 52, 589-597.	0.8	14
117	Quasiclassical trajectory calculations for Li(22Pj) + H ₂ → LiH(X1Σ+) + H: Influence by vibrational excitation and translational energy. <i>Journal of Chemical Physics</i> , 2011, 134, 034119.	1.2	14
118	Regulation of nonadiabatic processes in the photolysis of some carbonyl compounds. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 6980-6995.	1.3	14
119	Roaming signature in photodissociation of carbonyl compounds. <i>International Reviews in Physical Chemistry</i> , 2018, 37, 217-258.	0.9	14
120	Roaming Dynamics and Conformational Memory in Photolysis of Formic Acid at 193 nm Using Time-resolved Fourier-transform Infrared Emission Spectroscopy. <i>Scientific Reports</i> , 2020, 10, 4769.	1.6	14
121	Polyol-assisted synthesis of spinel-type magnesium cobalt oxide nanochains for voltammetric determination of the antipsychotic drug thioridazine. <i>Journal of Electroanalytical Chemistry</i> , 2021, 898, 115600.	1.9	14
122	NMR Study of Some Sesquiterpene Alcohols and Their Oxidation Products. <i>Journal of the Chinese Chemical Society</i> , 1974, 21, 31-35.	0.8	13
123	Understanding product optimization: Kinetic versus thermodynamic control. <i>Journal of Chemical Education</i> , 1988, 65, 857.	1.1	13
124	Flow-Injection Inductively Coupled Plasma Mass Spectrometer Incorporated with an Ultrasonic Nebulizer-Membrane Dryer: Application to Trace Lead Detection in Aqueous Solution and Seawater. <i>Applied Spectroscopy</i> , 2001, 55, 604-610.	1.2	13
125	Fourier Transform Near-Infrared Absorption Spectroscopic Study of Catalytic Isomerization of Quadricyclane to Norbornadiene by Copper(II) and Tin(II) Salts. <i>Journal of Physical Chemistry B</i> , 2002, 106, 132-136.	1.2	13
126	Molecular halogen elimination from halogen-containing compounds in the atmosphere. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 7184.	1.3	13

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127	Application of Laser-Enhanced Ionization: Atomization Efficiency Determination. <i>Applied Spectroscopy</i> , 1992, 46, 1370-1375.	1.2	12
128	Rotational energy transfer of CH in the B ($v=0$) state by collisions with Ar and N ₂ O using a time-resolved Fourier Transform spectrometer. <i>Journal of Chemical Physics</i> , 1997, 107, 10348-10349.	1.2	12
129	Br ₂ molecular elimination in photolysis of (COBr) ₂ at 248 nm by using cavity ring-down absorption spectroscopy: A photodissociation channel being ignored. <i>Journal of Chemical Physics</i> , 2011, 135, 234308.	1.2	12
130	Elimination mechanisms of Br ₂ ⁺ and Br ⁺ in photodissociation of 1,1- and 1,2-dibromoethylenes using velocity imaging technique. <i>Journal of Chemical Physics</i> , 2011, 134, 194312.	1.2	12
131	Metal ion induced fluorescence resonance energy transfer between crown ether functionalized quantum dots and rhodamine B: selectivity of K ⁺ ion. <i>RSC Advances</i> , 2015, 5, 4926-4933.	1.7	12
132	Carbon Dot Nanoparticles Exert Inhibitory Effects on Human Platelets and Reduce Mortality in Mice with Acute Pulmonary Thromboembolism. <i>Nanomaterials</i> , 2020, 10, 1254.	1.9	12
133	Application of Laser-Enhanced Ionization to Flame Temperature Determination. <i>Applied Spectroscopy</i> , 1991, 45, 1340-1343.	1.2	11
134	193 nm photodissociation of KI: Branching ratio and collisional mixing rate of K($5s^2P$) doublets. <i>Journal of Chemical Physics</i> , 1992, 96, 349-355.	1.2	11
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