

King-Chuen Lin

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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.

256
papers

3,968
citations

32
h-index

45
g-index

268
ext. papers

4,682
ext. citations

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avg, IF

6.02
L-index

#	Paper	IF	Citations
256	Unravelling the Multiple Emissive States in Citric-Acid-Derived Carbon Dots. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 1252-1261	3.8	187
255	Recent Advances in Functionalized Carbon Dots toward the Design of Efficient Materials for Sensing and Catalysis Applications. <i>Small</i> , 2020 , 16, e1905767	11	110
254	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	8.3	91
253	Chemically induced fluorescence switching of carbon-dots and its multiple logic gate implementation. <i>Scientific Reports</i> , 2015 , 5, 10012	4.9	78
252	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	8.3	74
251	Polymeric ladderphanes. <i>Journal of the American Chemical Society</i> , 2009 , 131, 12579-85	16.4	65
250	Research Progress on Porous Carbon Supported Metal/Metal Oxide Nanomaterials for Supercapacitor Electrode Applications. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 6347-6374	3.9	63
249	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	8.3	62
248	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	3.1	54
247	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	3.9	44
246	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	3.1	43
245	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, 5253-60	3.9	42
244	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, 2854-65	3.6	41
243	Characterization of two types of silanol groups on fused-silica surfaces using evanescent-wave cavity ring-down spectroscopy. <i>Analytical Chemistry</i> , 2007 , 79, 3654-61	7.8	41
242	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	3.9	40
241	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	8.5	40
240	Silicon Quantum Dot-Based Fluorescence Turn-On Metal Ion Sensors in Live Cells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 23953-62	9.5	39

239	Photoinduced Electron Transfer in Silylene-Spaced Copolymers Having Alternating Donor/Acceptor Chromophores. <i>Macromolecules</i> , 2007 , 40, 2666-2671	5.5	39
238	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	3.9	39
237	Computational Studies of Versatile Heterogeneous Palladium-Catalyzed Suzuki, Heck, and Sonogashira Coupling Reactions. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 8475-8490	8.3	38
236	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	3.1	38
235	Alkali-hydrogen reactions. <i>International Reviews in Physical Chemistry</i> , 2002 , 21, 357-383	7	38
234	Reaction pathway, energy barrier, and rotational state distribution for Li (2 2P _J)+H ₂ ->LiH (X 1 σ _g)+H. <i>Journal of Chemical Physics</i> , 2001 , 114, 9395-9401	3.9	37
233	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	2.8	37
232	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	9.3	36
231	Fabrication of Platinum/Rhenium Nanoparticle-Decorated Porous Carbons: Voltammetric Sensing of Furazolidone. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 3591-3605	8.3	35
230	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	13	34
229	Halogen effect on the photodissociation mechanism for gas-phase bromobenzene and iodobenzene. <i>ChemPhysChem</i> , 2008 , 9, 1130-6	3.2	34
228	Rotational population distribution of KH ($v=0, 1, 2, \text{ and } 3$) in the reaction of K(5 2P _J , 6 2P _J , and 7 2P _J) with H ₂ : Reaction mechanism and product energy disposal. <i>Journal of Chemical Physics</i> , 1996 , 105, 9121-9129	3.9	34
227	Dynamical, spectroscopic and computational imaging of bond breaking in photodissociation: roaming and role of conical intersections. <i>Faraday Discussions</i> , 2015 , 177, 77-98	3.6	33
226	Aligned molecules: chirality discrimination in photodissociation and in molecular dynamics. <i>Rendiconti Lincei</i> , 2013 , 24, 299-308	1.7	33
225	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	3.1	33
224	Directions of chemical change: experimental characterization of the stereodynamics of photodissociation and reactive processes. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 9776-90	3.6	32
223	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, 190-5	6.4	32
222	Species-Selected Mass-Analyzed Threshold Ionization Spectra of m-Fluoroaniline Cation. <i>Applied Spectroscopy</i> , 2001 , 55, 120-124	3.1	31

221	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, 2532-4	3.6	30
220	Orientation dependence for Br formation in the reaction of oriented OH radical with HBr molecule. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 1419-23	3.6	30
219	Collisional deactivation of K(7s 2S) and K(5d 2D) by H ₂ . <i>Journal of Chemical Physics</i> , 1991 , 94, 3529-3536	3.9	30
218	Two-step laser-assisted ionization of sodium in a hydrogen-oxygen-argon flame. <i>Analytical Chemistry</i> , 1981 , 53, 1275-1279	7.8	30
217	Molecular elimination of methyl formate in photolysis at 234 nm: roaming vs. transition state-type mechanism. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 7154-61	3.6	29
216	Energy considerations in dual laser ionization processes in flames. <i>Analytical Chemistry</i> , 1983 , 55, 2382-2387	3.7	28
215	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	4.1	28
214	Roaming as the dominant mechanism for molecular products in the photodissociation of large aliphatic aldehydes. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 23112-20	3.6	27
213	Voltammetric determination of catechol and hydroquinone using nitrogen-doped multiwalled carbon nanotubes modified with nickel nanoparticles. <i>Mikrochimica Acta</i> , 2018 , 185, 395	5.8	27
212	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, 868-77	7.8	27
211	248 nm 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	3.9	27
210	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	6.6	27
209	Three-dimensional zinc oxide nanostars anchored on graphene oxide for voltammetric determination of methyl parathion. <i>Mikrochimica Acta</i> , 2019 , 187, 17	5.8	27
208	Catalytic effect of a single water molecule on the OH + CHNH reaction. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 4297-4307	3.6	26
207	Ultra-sensitive DNA sensing of a prostate-specific antigen based on 2D nanosheets in live cells. <i>Nanoscale</i> , 2017 , 9, 12087-12095	7.7	26
206	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, 303-8	6.6	26
205	Rotational energy transfer within CH A 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	3.9	26
204	Pyrene-Based Chemosensor for Picric Acid-Fundamentals to Smartphone Device Design. <i>Analytical Chemistry</i> , 2019 , 91, 13244-13250	7.8	25

203	Activated porous carbon supported rhenium composites as electrode materials for electrocatalytic and supercapacitor applications. <i>Electrochimica Acta</i> , 2018 , 271, 433-447	6.7	25
202	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	3.9	25
201	State-specific reaction and product energy disposal of electronically excited potassium with hydrogen molecule. <i>Journal of Chemical Physics</i> , 1997 , 107, 4244-4252	3.9	25
200	Influence of vibrational excitation on the reaction Li(2 2P _J)+H ₂ (v=1)->LiH(X 1 Σ)+H. <i>Journal of Chemical Physics</i> , 2003 , 119, 8785-8789	3.9	25
199	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	3.9	24
198	Low-cost palladium decorated on m-aminophenol-formaldehyde-derived porous carbon spheres for the enhanced catalytic reduction of organic dyes. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 354-363	6.8	24
197	Vibrational and rotational population distributions of MgH(v''=0 and 1) produced in the reaction of Mg(3s3p 1P ₁) with H ₂ . <i>Physical Review A</i> , 1994 , 50, 4891-4898	2.6	23
196	Photodissociation of dibromoethanes at 248 nm: an ignored channel of Br ₂ elimination. <i>Journal of Chemical Physics</i> , 2009 , 130, 184308	3.9	22
195	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	3.7	22
194	Gold Nanoparticle Embedded on a Reduced Graphene Oxide/polypyrrole Nanocomposite: Voltammetric Sensing of Furazolidone and Flutamide. <i>Langmuir</i> , 2020 , 36, 13949-13962	4	22
193	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	3.9	21
192	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	3.8	21
191	Laser-enhanced ionization detection of Pb in seawater by flow injection analysis with on-line preconcentration and separation. <i>Analytical Chemistry</i> , 1999 , 71, 1561-7	7.8	21
190	Alignment effects in CaHe(5 1P ₁ 5 3P _J) energy transfer collisions by far wing laser scattering. <i>Journal of Chemical Physics</i> , 1988 , 89, 4771-4776	3.9	21
189	Voltammetric determination of vitamin B by using a highly porous carbon electrode modified with palladium-copper nanoparticles. <i>Mikrochimica Acta</i> , 2019 , 186, 299	5.8	20
188	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	8.4	20
187	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	7.1	20
186	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, 5155-62	2.8	20

185	Photodissociation dynamics of bromofluorobenzenes using velocity imaging technique. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 1421-9	2.8	20
184	Br ₂ molecular elimination in 248 nm photolysis of CHBr ₂ Cl by using cavity ring-down absorption spectroscopy. <i>Journal of Chemical Physics</i> , 2007 , 126, 034311	3.9	20
183	Collisional deactivation for K in high-lying 2S and 2D states by H ₂ . <i>Physical Review A</i> , 1992 , 46, 3834-3839	2.6	20
182	Hexapole-Oriented Asymmetric-Top Molecules and Their Stereodirectional Photodissociation Dynamics. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 5389-98	2.8	20
181	Catalytic Activity of Bimetallic (Ruthenium/Palladium) Nano-alloy Decorated Porous Carbons Toward Reduction of Toxic Compounds. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 2662-2675	4.5	19
180	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	2.8	19
179	Photodissociation of CHCHO 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	3.6	19
178	Insight into the photodissociation dynamical feature of conventional transition state and roaming pathways by an impulsive model. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 29-38	2.8	19
177	Ab initio calculation for potential energy surfaces relevant to the microscopic reaction pathways for Mg(3s3p1P1)+H ₂ ->MgH(2 Σ)+H. <i>Journal of Chemical Physics</i> , 1998 , 108, 1475-1484	3.9	19
176	Palladium and silver nanoparticles embedded on zinc oxide nanostars for photocatalytic degradation of pesticides and herbicides. <i>Chemical Engineering Journal</i> , 2021 , 410, 128434	14.7	19
175	Fluorescence turn-on chemosensors based on surface-functionalized MoS ₂ quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2019 , 281, 659-669	8.5	19
174	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	5.9	19
173	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	3.9	19
172	Molecular adsorption at silica/CH ₃ CN interface probed by using evanescent wave cavity ring-down absorption spectroscopy: determination of thermodynamic properties. <i>Analytical Chemistry</i> , 2006 , 78, 3583-90	7.8	18
171	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	3.6	18
170	Multisensing Capability of MoSe ₂ Quantum Dots by Tuning Surface Functional Groups. <i>ACS Applied Nano Materials</i> , 2018 , 1, 3453-3463	5.6	17
169	I ₂ molecular elimination in single-photon dissociation of CH ₂ I ₂ at 248 nm by using cavity ring-down absorption spectroscopy. <i>Journal of Chemical Physics</i> , 2011 , 134, 034315	3.9	17
168	Reaction dynamics of Mg(3s3p 1P1) 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. <i>Journal of Chemical Physics</i> , 1996 , 104, 1370-1379	3.9	17

167	Photodissociation dynamics of propionyl chloride in the ultraviolet region. <i>Journal of Chemical Physics</i> , 2009 , 130, 014307	3.9	16
166	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	3.9	16
165	Quasiclassical Trajectory Calculations of Mg(3s3p1P1) + H ₂ (Σ 0, N = 1) -> MgH (Σ N) + H: Trajectory and Angular Momentum Analysis on Improved ab Initio Potential Energy Surfaces. <i>Journal of Physical Chemistry A</i> , 2001 , 105, 41-47	2.8	16
164	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	8.5	16
163	A Metal-Free Carbon-Based Catalyst: An Overview and Directions for Future Research. <i>Journal of Carbon Research</i> , 2018 , 4, 54	3.3	16
162	Pyrene-based prospective biomaterial: In vitro bioimaging, protein binding studies and detection of bilirubin and Fe. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 221, 117150-4	4.4	15
161	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, 35-9	2.8	15
160	Rotational and vibrational state distributions of NaH in the reactions of Na(4 (2)S,3 (2)D, and 6 (2)S) with H ₂ : Insertion versus harpoon-type mechanisms. <i>Journal of Chemical Physics</i> , 2008 , 128, 234309	3.9	15
159	Collisional deactivation of potassium (52P _J) by molecular hydrogen. Identification of the primary quenching channel. <i>The Journal of Physical Chemistry</i> , 1984 , 88, 6670-6675		15
158	Graphene Oxide Nanosheets as An Efficient and Reusable Sorbents for Eosin Yellow Dye Removal from Aqueous Solutions. <i>ChemistrySelect</i> , 2017 , 2, 3598-3607	1.8	14
157	Quasiclassical trajectory calculations for Li(2(2)P(J)) + H ₂ -> LiH(X(1) Σ) + H: influence by vibrational excitation and translational energy. <i>Journal of Chemical Physics</i> , 2011 , 134, 034119	3.9	14
156	Stereodirectional images of molecules oriented by a variable-voltage hexapolar field: Fragmentation channels of 2-bromobutane electronically excited at two photolysis wavelengths. <i>Journal of Chemical Physics</i> , 2017 , 147, 013917	3.9	13
155	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	3.9	13
154	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	3.4	13
153	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	2.8	13
152	Flame temperature determination by dual laser ionization. <i>Chemical Physics Letters</i> , 1982 , 90, 111-116	2.5	13
151	Binder-Free Modification of a Glassy Carbon Electrode by Using Porous Carbon for Voltammetric Determination of Nitro Isomers. <i>ACS Omega</i> , 2019 , 4, 8907-8918	3.9	12
150	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	3.9	12

149	NMR Study of Some Sesquiterpene Alcohols and Their Oxidation Products. <i>Journal of the Chinese Chemical Society</i> , 1974 , 21, 31-35	1.5	12
148	Regulation of nonadiabatic processes in the photolysis of some carbonyl compounds. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 6980-95	3.6	11
147	Molecular halogen elimination from halogen-containing compounds in the atmosphere. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 7184-98	3.6	11
146	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 ^{3,9}	3.9	11
145	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	3.9	11
144	Photodissociation of gaseous propionyl chloride at 248 nm by time-resolved Fourier-transform infrared spectroscopy. <i>Chemical Physics</i> , 2010 , 376, 1-9	2.3	11
143	Photodissociation of 1,2-dibromoethylene at 248 nm: Br ₂ molecular elimination probed by cavity ring-down absorption spectroscopy. <i>ChemPhysChem</i> , 2008 , 9, 1137-45	3.2	11
142	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	1.5	11
141	193 nm photodissociation of KI: Branching ratio and collisional mixing rate of K(5 2P _J) doublets. <i>Journal of Chemical Physics</i> , 1992 , 96, 349-355	3.9	11
140	Understanding product optimization: Kinetic versus thermodynamic control. <i>Journal of Chemical Education</i> , 1988 , 65, 857	2.4	11
139	Silver Nanoparticles Modified Graphitic Carbon Nitride Nanosheets as a Significant Bifunctional Material for Practical Applications. <i>ChemistrySelect</i> , 2017 , 2, 1398-1408	1.8	10
138	AIE Nanodots Obtained from a Pyrene Schiff Base and Their Applications. <i>ChemistrySelect</i> , 2017 , 2, 13531-1359	1.8	10
137	Roaming signature in photodissociation of carbonyl compounds. <i>International Reviews in Physical Chemistry</i> , 2018 , 37, 217-258	7	10
136	Gas-phase photodissociation of CH ₃ CHBrCOCl at 248 nm: detection of molecular fragments by time-resolved FT-IR spectroscopy. <i>ChemPhysChem</i> , 2011 , 12, 206-16	3.2	10
135	Temperature effect on the deactivation of electronically excited potassium by hydrogen molecule. <i>Journal of Chemical Physics</i> , 2000 , 113, 4613-4619	3.9	10
134	Laser-induced fluorescence of the B ¹ Σ ⁺ band system of the isotopic lithium hydrides. <i>Journal of Molecular Spectroscopy</i> , 1988 , 129, 388-394	1.3	10
133	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	4.9	9
132	Reaction dynamics of Mg(3 1P ₁ , 4 1S ₀) with H ₂ : insertion versus harpoon mechanism. <i>Chemical Physics Letters</i> , 1997 , 274, 37-40	2.5	9

131	Vibrational and rotational energy transfers involving the CH B 2Sigma(-) v=1 vibrational level in collisions with Ar, CO, and N2O. <i>Journal of Chemical Physics</i> , 2006 , 124, 144302	3.9	9
130	Dynamical and stereodynamical studies of alkaline-earth atom-molecule reactions. <i>International Reviews in Physical Chemistry</i> , 2007 , 26, 289-352	7	9
129	Determination of branching ratio and collisional mixing rate of potassium (52PJ) doublets following 193-nm photodissociation of potassium iodide in the presence of argon, helium, methane, and carbon dioxide. <i>The Journal of Physical Chemistry</i> , 1993 , 97, 604-609		9
128	Ultrafine Bi-Sn nanoparticles decorated on carbon aerogels for electrochemical simultaneous determination of dopamine (neurotransmitter) and clozapine (antipsychotic drug). <i>Nanoscale</i> , 2020 , 12, 22217-22233	7.7	9
127	MnCo2O4 Microflowers Anchored on P-Doped g-C3N4 Nanosheets as an Electrocatalyst for Voltammetric Determination of the Antibiotic Drug Sulfadiazine. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 3915-3926	4	9
126	3D Probed Lipid Dynamics in Small Unilamellar Vesicles. <i>Small</i> , 2017 , 13, 1603408	11	8
125	Characterization of molecular channel in photodissociation of SOCl2 at 248 nm: Cl2 probing by cavity ring-down absorption spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 7838-47	3.6	8
124	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	3.7	8
123	Dynamics of chemical bond: general discussion. <i>Faraday Discussions</i> , 2015 , 177, 121-54	3.6	8
122	Photodissociation of (ICN)2 van der Waals dimer using velocity imaging technique. <i>Journal of Chemical Physics</i> , 2009 , 130, 214305	3.9	8
121	Probing the ignored elimination channel of Br2 in the 248 nm photodissociation of 1,1-dibromoethylene by cavity ring-down absorption spectroscopy. <i>ChemPhysChem</i> , 2009 , 10, 672-9	3.2	8
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