Bing-Ming Cheng

List of Publications by Year
in descending order

152 papers	3,897 citations	109321 35 h-index	155660 55 g-index
159 all docs	159 docs citations	159 times ranked	4009 citing authors

#	Article	IF	Citations
1	Excited state photochemically driven surface formation of benzene from acetylene ices on Pluto and in the outer solar system. Physical Chemistry Chemical Physics, 2022, 24, 1424-1436.	2.8	4
2	Using an ATR-FTIR Technique to Detect Pathogens in Patients with Urinary Tract Infections: A Pilot Study. Sensors, 2022, 22, 3638.	3.8	5
3	Visible, near-infrared and mid-infrared spectra of solid O2 at 6â€“33ÂK. Monthly Notices of the Royal Astronomical Society, 2022, 514, 2815-2820.	4.4	2
4	Monitoring the Temperature of a Mo/Si Mirror with Photoluminescence in Extreme-Ultraviolet Lithography. ACS Applied Electronic Materials, 2022, 4, 3435-3439.	4.3	2
5	Vacuum-Ultraviolet Absorption Spectra of Icy C2H4 at 13â€“60ÂK. Frontiers in Astronomy and Space Sciences, 2021, 8, .	2.8	1
6	Reaction of ammonia and dioxygen in solid neon excited with far-ultraviolet radiation investigated with electronic and vibrational spectra. Canadian Journal of Chemistry, 2021, 99, 780-786.	1.1	0
7	Possible detection of hydrazine on Saturnâ€™s moon Rhea. Science Advances, 2021, 7, .	10.3	2
8	Nitrogen-Vacancy Centers in Diamond for High-Performance Detection of Vacuum Ultraviolet, Extreme Ultraviolet, and X-rays. ACS Applied Materials & Interfaces, 2020, 12, 3847-3853.	8.0	18
9	Mid-infrared spectra of silane dispersed in solid neon. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 228, 117838.	3.9	2
10	Photoluminescence of diamond containing nitrogen vacancy defects as a sensor of temperature upon exposure to vacuum- and extreme-ultraviolet radiation. Physical Chemistry Chemical Physics, 2020, 22, 26982-26986.	2.8	5
11	Formation of C4H4 from photolysis of icy C2H2 with 175â€‰nm at 60â€‰K. Monthly Notices of the Royal Astronomical Society, 2020, 499, 543-549.	4.4	1
12	Photoluminescence of optical windows excited with extreme ultraviolet radiation. Optics Letters, 2020, 45, 5413.	3.3	2
13	Improvements in structural and optical properties of wafer-scale hexagonal boron nitride film by post-growth annealing. Scientific Reports, 2019, 9, 10590.	3.3	21
14	Emission spectra of atomic and molecular nitrogen from photolysis of ammonia in solid neon. AIP Advances, 2019, 9, .	1.3	3
15	Electronic and Vibrational Absorption Spectra of NH₂ in Solid Ne. ACS Omega, 2019, 4, 2268-2274.	3.5	11
16	Formation and Dissociation of N₃ in Icy N₂ with Far-ultraviolet Light. Astrophysical Journal, 2019, 877, 27.	4.5	6
17	Photoionization studies of benzene-argon complexes with synchrotron VUV radiation. AIP Advances, 2019, 9, 125005.	1.3	1
18	Thermal reaction and luminescence of long-lived N ² D in N ₂ ice. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24420-24424.	7.1	2

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19	Electroluminescence from h-BN by using Al2O3/h-BN multiple heterostructure. Optics Express, 2019, 27, 19692.	3.4	4
20	Photolysis of O₂ dispersed in solid neon with far-ultraviolet radiation. Physical Chemistry Chemical Physics, 2018, 20, 7730-7738.	2.8	7
21	Thresholds of photolysis of O₂ and of formation of O₃ from O₂ dispersed in solid neon. Physical Chemistry Chemical Physics, 2018, 20, 13113-13117.	2.8	8
22	Far-UV photoluminescence of boron-doped diamond: Cross interaction between boron and diamond. Carbon, 2018, 134, 448-451.	10.3	1
23	Photodissociation threshold and emission with 220Ânm of icy ethene. Icarus, 2018, 302, 261-265.	2.5	2
24	Formation of Nascent Product N₂O from the Irradiation of O₂ in Icy N₂. Astrophysical Journal, 2018, 864, 95.	4.5	6
25	Kinetic energy release distributions from dissociative photoionization of weakly bound trimers at 14â€“27 eV. Physical Chemistry Chemical Physics, 2018, 20, 21034-21042.	2.8	1
26	High Color Rendering Index of Rb₂GeF₆:Mn⁴⁺ for Light-Emitting Diodes. Chemistry of Materials, 2017, 29, 935-939.	6.7	172
27	Optical properties of selected 4d and 5d transition metal ion-doped glasses. RSC Advances, 2017, 7, 26411-26419.	3.6	18
28	Identification of cyc-B₃H₃ with Three Bridging Bâ€“Hâ€“B Bonds in a Six-Membered Ring. ACS Omega, 2017, 2, 529-535.	3.5	6
29	Farâ€UVâ€Excited Luminescence of Nitrogenâ€Vacancy Centers: Evidence for Diamonds in Space. Angewandte Chemie, 2017, 129, 14661-14665.	2.0	5
30	Farâ€UVâ€Excited Luminescence of Nitrogenâ€Vacancy Centers: Evidence for Diamonds in Space. Angewandte Chemie - International Edition, 2017, 56, 14469-14473.	13.8	22
31	Controlling of Structural Ordering and Rigidity of Î²-SiAlON:Eu through Chemical Cosubstitution to Approach Narrow-Band-Emission for Light-Emitting Diodes Application. Chemistry of Materials, 2017, 29, 6781-6792.	6.7	57
32	Ultraviolet and Infrared Spectra of Diboron in Solid Neon at 4 K. ChemPhysChem, 2017, 18, 124-127.	2.1	3
33	Analysis of boron in diamond with UV photoluminescence. Carbon, 2017, 111, 835-838.	10.3	11
34	Infrared and Ultraviolet Spectra of Diborane(6): B₂H₆ and B₂D₆. Journal of Physical Chemistry A, 2016, 120, 5562-5572.	2.5	15
35	THE EMISSION, LIFETIMES, AND FORMATION THRESHOLD OF THE VEGARDâ€“KAPLAN TRANSITION OF SOLID NITROGEN EXPOSED TO FAR-ULTRAVIOLET RADIATION. Astrophysical Journal, 2016, 832, 25.	4.5	3
36	UV/VUV switch-driven color-reversal effect for Tb-activated phosphors. Light: Science and Applications, 2016, 5, e16066-e16066.	16.6	57

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37	VACUUM ULTRAVIOLET PHOTOABSORPTION SPECTRA OF NITRILE ICES FOR THEIR IDENTIFICATION ON PLUTO. Astrophysical Journal, 2016, 825, 141.	4.5	7
38	Facile Atmospheric Pressure Synthesis of High Thermal Stability and Narrow-Band Red-Emitting SrLiAl₃N₄:Eu²⁺ Phosphor for High Color Rendering Index White Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2016, 8, 19612-19617.	8.0	120
39	Enhance Color Rendering Index via Full Spectrum Employing the Important Key of Cyan Phosphor. ACS Applied Materials & Interfaces, 2016, 8, 30677-30682.	8.0	85
40	Optical properties of 3d N transition metal ion-doped lead borate glasses. Materials Research Bulletin, 2016, 83, 400-407.	5.2	46
41	FORMATION OF N ₃ , CH ₃ , HCN, AND HNC FROM THE FAR-UV PHOTOLYSIS OF CH ₄ IN NITROGEN ICE. Astrophysical Journal, Supplement Series, 2015, 221, 20.	7.7	16
42	Far-ultraviolet photolysis of solid methane. Monthly Notices of the Royal Astronomical Society, 2015, 451, 159-166.	4.4	14
43	Analysis of Nickel Defect in Diamond with Photoluminescence upon Excitation near 200 nm. Analytical Chemistry, 2015, 87, 7340-7344.	6.5	9
44	Identification of diborane(4) with bridging Bâ€“Hâ€“B bonds. Chemical Science, 2015, 6, 6872-6877.	7.4	36
45	Absorption, emission and photolysis of C₆₀with far-UV excitation. Monthly Notices of the Royal Astronomical Society, 2015, 452, 2788-2793.	4.4	3
46	Production of N₃ upon Photolysis of Solid Nitrogen at 3â€…K with Synchrotron Radiation. Angewandte Chemie - International Edition, 2014, 53, 738-741.	13.8	26
47	Communication: Vacuum ultraviolet photoabsorption of interstellar icy thiols. Journal of Chemical Physics, 2014, 141, 231101.	3.0	7
48	Vacuum-Ultraviolet Photolysis of Methane at 3 K: Synthesis of Carbon Clusters up to C₂₀. Journal of Physical Chemistry A, 2014, 118, 3438-3449.	2.5	23
49	Infrared absorption spectra of methylidene radicals in solid neon. Chemical Communications, 2014, 50, 7968-7970.	4.1	2
50	Charge transfer luminescence of hafnates under synchrotron vacuum ultraviolet excitation. RSC Advances, 2014, 4, 28632-28635.	3.6	7
51	Quantitative Analysis of Nitrogen Defect N4 in Diamond with Photoluminescence Excited in the 170â€“240 nm Region. Analytical Chemistry, 2014, 86, 10497-10500.	6.5	9
52	Photochemistry of solid interstellar molecular samples exposed to vacuum-ultraviolet synchrotron radiation. Journal of Electron Spectroscopy and Related Phenomena, 2014, 196, 173-176.	1.7	19
53	All-In-One Light-Tunable Borated Phosphors with Chemical and Luminescence Dynamical Control Resolution. ACS Applied Materials & Interfaces, 2014, 6, 9160-9172.	8.0	32
54	Linear and folded films of a zwitterionic polysquaraine. RSC Advances, 2013, 3, 21294.	3.6	5

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55	Highâ€Quality Boron Nitride Nanoribbons: Unzipping during Nanotube Synthesis. Angewandte Chemie - International Edition, 2013, 52, 4212-4216.	13.8	56
56	Photoluminescence of a CVD Diamond Excited with VUV Light from a Synchrotron. Optics and Photonics Journal, 2013, 03, 25-28.	0.4	14
57	Tunable bandgap energy of fluorinated nanocrystals for flash memory applications produced by low-damage plasma treatment. Nanotechnology, 2012, 23, 475201.	2.6	6
58	Controlling The Activator Site To Tune Europium Valence in Oxyfluoride Phosphors. Chemistry of Materials, 2012, 24, 2220-2227.	6.7	164
59	A long-lived photo-induced metastable state of linkage isomerization accompanied with a spin transition. Chemical Communications, 2012, 48, 5715.	4.1	37
60	Photoluminescence of boron nitride nanosheets exfoliated by ball milling. Applied Physics Letters, 2012, 100, .	3.3	84
61	Photoluminescence investigations on a novel green-emitting phosphor Ba3Sc(BO3)3:Tb3+ using synchrotron vacuum ultraviolet radiation. Journal of Materials Chemistry, 2012, 22, 9957.	6.7	31
62	Identification of Nitrogen Defects in Diamond with Photoluminescence Excited in the 160â€“240 nm Region. Analytical Chemistry, 2012, 84, 9596-9600.	6.5	25
63	Host Sensitization of Tb³⁺ Ions in Tribarium Lanthanide Borates Ba₃Ln(BO₃)₃ (Ln = Lu and Gd). Inorganic Chemistry, 2012, 51, 2961-2965.	4.0	41
64	SPECTRA AND PHOTOLYSIS OF PURE NITROGEN AND METHANE DISPERSED IN SOLID NITROGEN WITH VACUUM-ULTRAVIOLET LIGHT. Astrophysical Journal, 2012, 746, 175.	4.5	73
65	Analysis of spectra of neat and lanthanide ionâ€doped KPb₂Cl₅ excited by synchrotron radiation. Physica Status Solidi (B): Basic Research, 2012, 249, 581-587.	1.5	7
66	Luminescence of the elpasolite series MI2MIIMCl6 (MI=Cs, Rb; MII=Li, Na; M=Lu, Y, Sc, In) doped with europium using synchrotron radiation excitation. Journal of Solid State Chemistry, 2012, 188, 105-108.	2.9	9
67	Reversible isomerization of a zwitterionic polysquaraine induced by a metal surface. Journal of Materials Chemistry, 2011, 21, 2568-2576.	6.7	7
68	Blue/near UV light emission from hybrid InN/TiO2 nanoparticle films. Journal of Materials Chemistry, 2011, 21, 8540.	6.7	2
69	Highly Stable Red Oxynitride Î²-SiAlON:Pr³⁺ Phosphor for Light-Emitting Diodes. Chemistry of Materials, 2011, 23, 3698-3705.	6.7	171
70	Analysis of Nitrogen Defects in Diamond with VUV Photoluminescence. Analytical Chemistry, 2011, 83, 6539-6544.	6.5	20
71	Luminescence Investigation on Ultraviolet-Emitting Rare-Earth-Doped Phosphors Using Synchrotron Radiation. Inorganic Chemistry, 2011, 50, 6552-6556.	4.0	36
72	Eliminated UV Light Emitted from Nanostructured Silica Thin Film using H2 Plasma by ICP-CVD. Current Nanoscience, 2011, 7, 240-244.	1.2	2

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73	Photoluminescent Properties and Energy Transfer Mechanism of Colorâ€Tunable CaSi₂O₂N₂:Ce³⁺, Eu²⁺ Phosphors. Journal of the American Ceramic Society, 2011, 94, 2878-2883.	3.8	42
74	Structure and Novel Optical Characteristics of SrSi₂O₂N₂:Ce³⁺/Tb³⁺ Oxynitride Phosphors. Journal of the American Ceramic Society, 2011, 94, 3256-3260.	3.8	8
75	Mid-infrared spectra of methane dispersed in solid neon and argon. Vibrational Spectroscopy, 2011, 57, 196-206.	2.2	13
76	Low temperature photoluminescence of Cs2NaY1â^'xErxCl6 excited by synchrotron radiation. Chemical Physics Letters, 2011, 515, 235-240.	2.6	6
77	ABSORPTION CROSS SECTION OF GASEOUS ACETYLENE AT 85 K IN THE WAVELENGTH RANGE 110-155 nm. Astrophysical Journal, Supplement Series, 2011, 196, 3.	7.7	14
78	Charge Transfer Luminescence of Several Zirconium-Containing Compounds Using Synchrotron Radiation. Electrochemical and Solid-State Letters, 2011, 14, J61.	2.2	3
79	Charge-Transfer Luminescence and Energy Transfer in Eu2+-Doped Barium Zirconosilicates. Journal of the Electrochemical Society, 2011, 158, J377.	2.9	9
80	Vacuum-ultraviolet photolysis of H3CF in solid neon: Infrared spectra of HCF and CF+. Chemical Physics Letters, 2010, 497, 12-17.	2.6	11
81	Switchable structural modification accompanying altered optical properties of a zwitterionic polysquaraine. Chemical Physics Letters, 2010, 500, 267-271.	2.6	12
82	Influence of microemulsion conditions on the VUV-excited luminescence and microstructures of Y3Al5O12: Eu3+ phosphors. Materials Chemistry and Physics, 2010, 124, 632-638.	4.0	13
83	PHOTOLYSIS OF ETHYNE IN SOLID NEON AND SYNTHESIS OF LONG-CHAIN CARBON CLUSTERS WITH VACUUM-ULTRAVIOLET LIGHT. Astrophysical Journal, 2010, 721, 856-863.	4.5	21
84	Single deep ultraviolet light emission from boron nitride nanotube film. Applied Physics Letters, 2010, 97, .	3.3	44
85	Effect of alkyl position of pyrrole on structures and properties of conjugated polysquaraines. Synthetic Metals, 2010, 160, 1002-1007.	3.9	14
86	VUV Excitation of YBO₃ and (Y,Gd)BO₃ Phosphors Doped with Eu³⁺ or Tb³⁺: Comparison of Efficiencies and Effect of Site-Selectivity. Journal of Physical Chemistry C, 2010, 114, 6681-6689.	3.1	74
87	Excitation and Emission Spectra of Cs₂NaLnCl₆Crystals Using Synchrotron Radiation. Spectroscopy Letters, 2010, 43, 431-445.	1.0	13
88	Synchrotron Photoluminescence Spectroscopy of Boron Nitride Nanotubes with Different Metal Impurities. Materials Research Society Symposia Proceedings, 2009, 1204, 1.	0.1	0
89	Structure and Electronic Configuration of an Iron(II) Complex in a LIESST State: A Pump and Probe Method. Chemistry - A European Journal, 2009, 15, 2384-2393.	3.3	36
90	Infrared Absorption Spectra of tâ€HNOH Radicals Generated on VUV Irradiation of NO in Solid Hydrogen. ChemPhysChem, 2009, 10, 901-904.	2.1	7

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91	Quantum-chemical calculations on isomers of C5O. Computational and Theoretical Chemistry, 2009, 913, 58-62.	1.5	1
92	Vacuum ultraviolet and visible spectra of Eu3+ in Y2O2S and Eu2O2S. Optical Materials, 2009, 31, 902-904.	3.6	12
93	Contrasting emission behaviors of YAG:V5+ co-doped with Pr3+or Eu3+. Chemical Physics Letters, 2009, 474, 97-100.	2.6	12
94	Narrowed bandgaps and stronger excitonic effects from small boron nitride nanotubes. Chemical Physics Letters, 2009, 476, 240-243.	2.6	28
95	Spectral Band Shifts in the Electronic Spectra of Rare Earth Sesquioxide Nanomaterials Doped with Europium. Journal of Physical Chemistry C, 2009, 113, 10773-10779.	3.1	45
96	Selective Growth of Boron Nitride Nanotubes by the Plasma-Assisted and Iron-Catalytic CVD Methods. Journal of Physical Chemistry C, 2009, 113, 14681-14688.	3.1	31
97	Large-Scale Synthesis of Boron Nitride Nanotubes with Iron-Supported Catalysts. Journal of Physical Chemistry C, 2009, 113, 14732-14738.	3.1	61
98	Synthesis and luminescence properties of microemulsion-derived Y3Al5O12: Eu3+ Phosphors. Journal of Alloys and Compounds, 2009, 473, 376-381.	5.5	33
99	Versatile phosphors BaY_2Si_3O_10:RE (RE = Ce^3+, Tb^3+, Eu^3+) for light-emitting diodes. Optics Express, 2009, 17, 18103.	3.4	70
100	FORMATION AND IDENTIFICATION OF INTERSTELLAR MOLECULE LINEAR C₅H FROM PHOTOLYSIS OF METHANE DISPERSED IN SOLID NEON. Astrophysical Journal, 2009, 701, 8-11.	4.5	28
101	BaMgAl10O17:Eu blue phosphors with MgO coating and microwave irradiation. Journal of Physics and Chemistry of Solids, 2008, 69, 446-450.	4.0	12
102	Synthesis and characterization of highly luminescent CuInS2 and CuInS2/ZnS (core/shell) nanocrystals. Thin Solid Films, 2008, 517, 1257-1261.	1.8	31
103	Absorption spectra in the vacuum ultraviolet region of small molecules in condensed phases. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 71, 1485-1491.	3.9	44
104	Effect of microwave irradiation on surface characteristics and luminescent properties of BaMgAl10O17:Eu blue phosphor. Journal of Physics and Chemistry of Solids, 2008, 69, 362-365.	4.0	7
105	Infrared absorption spectra of ethynyl radicals isolated in solid Ne: Identification of the fundamental Câ€“H stretching mode. Chemical Physics Letters, 2008, 461, 53-57.	2.6	22
106	Vacuum ultraviolet and visible spectra of ZnO:Eu³⁺prepared by combustion synthesis. Journal of Physics Condensed Matter, 2008, 20, 345231.	1.8	23
107	Structural analysis and vacuum ultraviolet excited luminescence properties of solâ€“gel derived Y3Al5O12:Eu3+ phosphors. Journal of Alloys and Compounds, 2008, 456, 57-63.	5.5	34
108	Ultraviolet spectra of KPb2Cl5:Er3+. Applied Physics Letters, 2008, 92, .	3.3	4

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109	Investigation of Pr3+ as a sensitizer in quantum-cutting fluoride phosphors. Applied Physics Letters, 2008, 92, 081106.	3.3	26
110	Infrared absorption spectra of vinyl radicals isolated in solid Ne. Journal of Chemical Physics, 2008, 128, 204509.	3.0	34
111	Photoabsorption cross sections of NH3, NH2D, NHD2, and ND3 in the spectral range 110â€“144nm. Journal of Chemical Physics, 2007, 127, 154311.	3.0	21
112	Isotopic Fractionation of Nitrogen in Ammonia in the Troposphere of Jupiter. Astrophysical Journal, 2007, 657, L117-L120.	4.5	15
113	Soft synthesis and vacuum ultraviolet spectra of YAG:Ce3+nanocrystals: reassignment of Ce3+energy levels. Journal of Physics Condensed Matter, 2007, 19, 216213.	1.8	66
114	Synthesis and VUV Photoluminescence Characterization of (Y,Gd)(V,P)O4:Eu3+as a Potential Red-emitting PDP Phosphor. Chemistry of Materials, 2007, 19, 3278-3285.	6.7	129
115	Downconversion in Cs2NaErCl6. Chemical Physics Letters, 2007, 442, 302-306.	2.6	13
116	Absorption spectra in the vacuum ultraviolet region of methanol in condensed phases. Chemical Physics Letters, 2007, 447, 168-174.	2.6	33
117	Visible quantum cutting in greenâ€“emitting BaGdF5:Tb3+ phosphors via downconversion. Journal of Luminescence, 2007, 122-123, 917-920.	3.1	41
118	Visible quantum cutting through downconversion in green-emitting K2GdF5:Tb3+ phosphors. Applied Physics Letters, 2006, 89, 131121.	3.3	96
119	Absorption, excitation and emission spectra of SrCl2:Eu2+. Chemical Physics Letters, 2006, 428, 78-82.	2.6	45
120	Luminescence characteristics of sol-gel derived Y3Al5O12:Eu3+ phosphors excited with vacuum ultraviolet. Journal of Applied Physics, 2006, 100, 063535.	2.5	18
121	Photoluminescence of zirconia films with VUV excitation. Journal of Electron Spectroscopy and Related Phenomena, 2005, 144-147, 865-868.	1.7	29
122	Photoluminescence of phosphors for PDP with VUV excitation. Journal of Electron Spectroscopy and Related Phenomena, 2005, 144-147, 983-985.	1.7	37
123	Luminescence characteristics of europium-ion doped BaMgAl10O17 phosphors prepared via a solâ€“gel route employing polymerizing agents. Materials Chemistry and Physics, 2005, 90, 62-68.	4.0	25
124	Spectra in the vacuum ultraviolet region of CO in gaseous and solid phases and dispersed in solid argon at 10 K. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 3693-3704.	1.5	46
125	Quantitative spectroscopic and theoretical study of the optical absorption spectra of H2O, HOD, and D2O in the 125â€“145 nm region. Journal of Chemical Physics, 2004, 120, 224-229.	3.0	34
126	Analysis of C2H4in C2H6and C2H5D with VUV Absorption Spectroscopy and a Method To Remove C2H4from C2H6and C2H5D. Analytical Chemistry, 2004, 76, 5965-5967.	6.5	16

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127	Extreme ultraviolet photolysis of CO2- H2O mixed ices at 10 K. Journal of Geophysical Research, 2003, 108, .	3.3	25
128	Polymers with well-controlled molecular weight for DUV/VUV lithography. , 2003, , .		1
129	Quantitative spectral analysis of HCl and DCl in 120â€“220 nm: Effects of singletâ€“triplet mixing. Journal of Chemical Physics, 2002, 117, 4293-4298.	3.0	28
130	Experimental and theoretical studies on vacuum ultraviolet absorption cross sections and photodissociation of CH3OH, CH3OD, CD3OH, and CD3OD. Journal of Chemical Physics, 2002, 117, 1633-1640.	3.0	64
131	Absorption cross sections and solar photodissociation rates of deuterated isotopomers of methanol. Journal of Geophysical Research, 2002, 107, SIA 7-1-SIA 7-5.	3.3	8
132	Enhancement of Deuterated Ethane on Jupiter. Astrophysical Journal, 2001, 551, L93-L96.	4.5	47
133	Absorption Cross Sections of HC[CLC]I[/CLC] and DC[CLC]I[/CLC] at 135â€“232 Nanometers: Implications for Photodissociation on Venus. Astrophysical Journal, 2001, 559, L179-L182.	4.5	50
134	Photodissociation thresholds of OH produced from CH3OH in solid neon and argon. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 467-468, 1461-1464.	1.6	11
135	Temperature dependence of absorption cross-section of H2O, HOD, and D2O in the spectral region 140â€“193nm. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 467-468, 1572-1576.	1.6	59
136	Photoionization study of CH3SCH2Cl formed in the reaction system Cl/Cl2/CH3SCH3. Journal of Chemical Physics, 2001, 114, 4817-4823.	3.0	5
137	Photoionization spectrum and ionization energy of CH3SCl. Journal of Chemical Physics, 1999, 110, 4757-4762.	3.0	6
138	Photoionization efficiency spectrum and ionization energy of S2O2. Journal of Chemical Physics, 1999, 110, 188-191.	3.0	6
139	Photoionization-efficiency spectrum and ionization energy of C2H5SCl. Journal of Chemical Physics, 1999, 111, 10093-10098.	3.0	3
140	Photo-induced fractionation of water isotopomers in the Martian atmosphere. Geophysical Research Letters, 1999, 26, 3657-3660.	4.0	75
141	Photoionization studies of sulfur radicals and products of their reactions. Journal of Synchrotron Radiation, 1998, 5, 1041-1043.	2.4	9
142	Photoionization spectra and ionization energies of HSCl, HSSSH, SSCl, and HSSCl formed in the reaction system Cl/Cl2/H2S. Journal of Chemical Physics, 1998, 108, 6197-6204.	3.0	23
143	Photoionization efficiency spectrum and ionization energy of HSO studied by discharge flow-photoionization mass spectrometry. Journal of Chemical Physics, 1997, 106, 9727-9733.	3.0	14
144	Ionization energy of HSSH. Journal of Chemical Physics, 1997, 107, 5273-5274.	3.0	11

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145	Photoionization efficiency spectrum and ionization energy of C2H5SO. Journal of Chemical Physics, 1997, 107, 8794-8799.	3.0	7
146	Threshold for Photoionization of C6F6in Solid Neon. The Journal of Physical Chemistry, 1996, 100, 8200-8203.	2.9	5
147	Photoionization Efficiency Spectrum and Ionization Energy of HSSH Produced from Gaseous Self-Reaction of HS Radicals. The Journal of Physical Chemistry, 1996, 100, 10210-10214.	2.9	17
148	Photoionization threshold of CS2 in solid neon. Chemical Physics Letters, 1995, 236, 355-361.	2.6	9
149	Production and trapping of HOSO2 from the gaseous reaction OH+SO2: the infrared absorption of HOSO2 in solid argon. Chemical Physics Letters, 1991, 177, 195-199.	2.6	20
150	The infrared absorption spectrum of hydroxyl radicals in solid argon. Chemical Physics Letters, 1988, 151, 109-115.	2.6	46
151	Rate constant of OH + OCS reaction over the temperature range 255-483 K. International Journal of Chemical Kinetics, 1986, 18, 1303-1314.	1.6	22
152	VACUUM ULTRAVIOLET PHOTODISSOCIATION OF ETHENE ISOLATED IN SOLID NEON. , 0, , 489-497.		0