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	High Color Rendering Index of Rb₂GeF₆:Mn⁴⁺ for Light-Emitting Diodes. Chemistry of Materials, 2017, 29, 935-939.	6.7	172
2	Highly Stable Red Oxynitride Î²-SiAlON:Pr³⁺ Phosphor for Light-Emitting Diodes. Chemistry of Materials, 2011, 23, 3698-3705.	6.7	171
3	Controlling The Activator Site To Tune Europium Valence in Oxyfluoride Phosphors. Chemistry of Materials, 2012, 24, 2220-2227.	6.7	164
4	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
5	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
6	Visible quantum cutting through downconversion in green-emitting K2GdF5:Tb3+ phosphors. Applied Physics Letters, 2006, 89, 131121.	3.3	96
7	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
8	Photoluminescence of boron nitride nanosheets exfoliated by ball milling. Applied Physics Letters, 2012, 100, .	3.3	84
9	Photo-induced fractionation of water isotopomers in the Martian atmosphere. Geophysical Research Letters, 1999, 26, 3657-3660.	4.0	75
10	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
11	SPECTRA AND PHOTOLYSIS OF PURE NITROGEN AND METHANE DISPERSED IN SOLID NITROGEN WITH VACUUM-ULTRAVIOLET LIGHT. Astrophysical Journal, 2012, 746, 175.	4.5	73
12	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
13	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
14	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
15	Large-Scale Synthesis of Boron Nitride Nanotubes with Iron-Supported Catalysts. Journal of Physical Chemistry C, 2009, 113, 14732-14738.	3.1	61
16	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
17	UV/VUV switch-driven color-reversal effect for Tb-activated phosphors. Light: Science and Applications, 2016, 5, e16066-e16066.	16.6	57
18	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

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19	Highâ€Quality Boron Nitride Nanoribbons: Unzipping during Nanotube Synthesis. Angewandte Chemie - International Edition, 2013, 52, 4212-4216.	13.8	56
20	Absorption Cross Sections of HC[CLC]l[/CLC] and DC[CLC]l[/CLC] at 135â€“232 Nanometers: Implications for Photodissociation on Venus. Astrophysical Journal, 2001, 559, L179-L182.	4.5	50
21	Enhancement of Deuterated Ethane on Jupiter. Astrophysical Journal, 2001, 551, L93-L96.	4.5	47
22	The infrared absorption spectrum of hydroxyl radicals in solid argon. Chemical Physics Letters, 1988, 151, 109-115.	2.6	46
23	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
24	Optical properties of 3d N transition metal ion-doped lead borate glasses. Materials Research Bulletin, 2016, 83, 400-407.	5.2	46
25	Absorption, excitation and emission spectra of SrCl2:Eu2+. Chemical Physics Letters, 2006, 428, 78-82.	2.6	45
26	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
27	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
28	Single deep ultraviolet light emission from boron nitride nanotube film. Applied Physics Letters, 2010, 97, .	3.3	44
29	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
30	Visible quantum cutting in greenâ€“emitting BaGdF5:Tb3+ phosphors via downconversion. Journal of Luminescence, 2007, 122-123, 917-920.	3.1	41
31	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
32	Photoluminescence of phosphors for PDP with VUV excitation. Journal of Electron Spectroscopy and Related Phenomena, 2005, 144-147, 983-985.	1.7	37
33	A long-lived photo-induced metastable state of linkage isomerization accompanied with a spin transition. Chemical Communications, 2012, 48, 5715.	4.1	37
34	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
35	Luminescence Investigation on Ultraviolet-Emitting Rare-Earth-Doped Phosphors Using Synchrotron Radiation. Inorganic Chemistry, 2011, 50, 6552-6556.	4.0	36
36	Identification of diborane(4) with bridging Bâ€“Hâ€“B bonds. Chemical Science, 2015, 6, 6872-6877.	7.4	36

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37	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
38	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
39	Infrared absorption spectra of vinyl radicals isolated in solid Ne. Journal of Chemical Physics, 2008, 128, 204509.	3.0	34
40	Absorption spectra in the vacuum ultraviolet region of methanol in condensed phases. Chemical Physics Letters, 2007, 447, 168-174.	2.6	33
41	Synthesis and luminescence properties of microemulsion-derived Y3Al5O12: Eu3+ Phosphors. Journal of Alloys and Compounds, 2009, 473, 376-381.	5.5	33
42	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
43	Synthesis and characterization of highly luminescent CuInS2 and CuInS2/ZnS (core/shell) nanocrystals. Thin Solid Films, 2008, 517, 1257-1261.	1.8	31
44	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
45	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
46	Photoluminescence of zirconia films with VUV excitation. Journal of Electron Spectroscopy and Related Phenomena, 2005, 144-147, 865-868.	1.7	29
47	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
48	Narrowed bandgaps and stronger excitonic effects from small boron nitride nanotubes. Chemical Physics Letters, 2009, 476, 240-243.	2.6	28
49	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
50	Investigation of Pr3+ as a sensitizer in quantum-cutting fluoride phosphors. Applied Physics Letters, 2008, 92, 081106.	3.3	26
51	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
52	Extreme ultraviolet photolysis of CO2- H2O mixed ices at 10 K. Journal of Geophysical Research, 2003, 108, .	3.3	25
53	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
54	Identification of Nitrogen Defects in Diamond with Photoluminescence Excited in the 160â€“240 nm Region. Analytical Chemistry, 2012, 84, 9596-9600.	6.5	25

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55	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
56	Vacuum ultraviolet and visible spectra of ZnO:Eu³⁺prepared by combustion synthesis. Journal of Physics Condensed Matter, 2008, 20, 345231.	1.8	23
57	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
58	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
59	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
60	Farâ€UVâ€Excited Luminescence of Nitrogenâ€Vacancy Centers: Evidence for Diamonds in Space. Angewandte Chemie - International Edition, 2017, 56, 14469-14473.	13.8	22
61	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
62	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
63	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
64	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
65	Analysis of Nitrogen Defects in Diamond with VUV Photoluminescence. Analytical Chemistry, 2011, 83, 6539-6544.	6.5	20
66	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
67	Luminescence characteristics of sol-gel derived Y3Al5O12:Eu3+ phosphors excited with vacuum ultraviolet. Journal of Applied Physics, 2006, 100, 063535.	2.5	18
68	Optical properties of selected 4d and 5d transition metal ion-doped glasses. RSC Advances, 2017, 7, 26411-26419.	3.6	18
69	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
70	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
71	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
72	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

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73	Isotopic Fractionation of Nitrogen in Ammonia in the Troposphere of Jupiter. Astrophysical Journal, 2007, 657, L117-L120.	4.5	15
74	Infrared and Ultraviolet Spectra of Diborane(6): B₂H₆ and B₂D₆. Journal of Physical Chemistry A, 2016, 120, 5562-5572.	2.5	15
75	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
76	Effect of alkyl position of pyrrole on structures and properties of conjugated polysquaraines. Synthetic Metals, 2010, 160, 1002-1007.	3.9	14
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	Far-ultraviolet photolysis of solid methane. Monthly Notices of the Royal Astronomical Society, 2015, 451, 159-166.	4.4	14
79	Photoluminescence of a CVD Diamond Excited with VUV Light from a Synchrotron. Optics and Photonics Journal, 2013, 03, 25-28.	0.4	14
80	Downconversion in Cs2NaErCl6. Chemical Physics Letters, 2007, 442, 302-306.	2.6	13
81	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
82	Excitation and Emission Spectra of Cs₂NaLnCl₆Crystals Using Synchrotron Radiation. Spectroscopy Letters, 2010, 43, 431-445.	1.0	13
83	Mid-infrared spectra of methane dispersed in solid neon and argon. Vibrational Spectroscopy, 2011, 57, 196-206.	2.2	13
84	BaMgAl10O17:Eu blue phosphors with MgO coating and microwave irradiation. Journal of Physics and Chemistry of Solids, 2008, 69, 446-450.	4.0	12
85	Vacuum ultraviolet and visible spectra of Eu3+ in Y2O2S and Eu2O2S. Optical Materials, 2009, 31, 902-904.	3.6	12
86	Contrasting emission behaviors of YAG:V5+ co-doped with Pr3+or Eu3+. Chemical Physics Letters, 2009, 474, 97-100.	2.6	12
87	Switchable structural modification accompanying altered optical properties of a zwitterionic polysquaraine. Chemical Physics Letters, 2010, 500, 267-271.	2.6	12
88	Ionization energy of HSSH. Journal of Chemical Physics, 1997, 107, 5273-5274.	3.0	11
89	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
90	Vacuum-ultraviolet photolysis of H3CF in solid neon: Infrared spectra of HCF and CF+. Chemical Physics Letters, 2010, 497, 12-17.	2.6	11

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91	Analysis of boron in diamond with UV photoluminescence. Carbon, 2017, 111, 835-838.	10.3	11
92	Electronic and Vibrational Absorption Spectra of NH₂ in Solid Ne. ACS Omega, 2019, 4, 2268-2274.	3.5	11
93	Photoionization threshold of CS2 in solid neon. Chemical Physics Letters, 1995, 236, 355-361.	2.6	9
94	Photoionization studies of sulfur radicals and products of their reactions. Journal of Synchrotron Radiation, 1998, 5, 1041-1043.	2.4	9
95	Charge-Transfer Luminescence and Energy Transfer in Eu2+-Doped Barium Zirconosilicates. Journal of the Electrochemical Society, 2011, 158, J377.	2.9	9
96	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
97	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
98	Analysis of Nickel Defect in Diamond with Photoluminescence upon Excitation near 200 nm. Analytical Chemistry, 2015, 87, 7340-7344.	6.5	9
99	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
100	Structure and Novel Optical Characteristics of SrSi₂O₂N₂:Ce³⁺/Tb³⁺ Oxynitride Phosphors. Journal of the American Ceramic Society, 2011, 94, 3256-3260.	3.8	8
101	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
102	Photoionization efficiency spectrum and ionization energy of C2H5SO. Journal of Chemical Physics, 1997, 107, 8794-8799.	3.0	7
103	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
104	Infrared Absorption Spectra of tâ€HNOH Radicals Generated on VUV Irradiation of NO in Solid Hydrogen. ChemPhysChem, 2009, 10, 901-904.	2.1	7
105	Reversible isomerization of a zwitterionic polysquaraine induced by a metal surface. Journal of Materials Chemistry, 2011, 21, 2568-2576.	6.7	7
106	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
107	Communication: Vacuum ultraviolet photoabsorption of interstellar icy thiols. Journal of Chemical Physics, 2014, 141, 231101.	3.0	7
108	Charge transfer luminescence of hafnates under synchrotron vacuum ultraviolet excitation. RSC Advances, 2014, 4, 28632-28635.	3.6	7

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109	VACUUM ULTRAVIOLET PHOTOABSORPTION SPECTRA OF NITRILE ICES FOR THEIR IDENTIFICATION ON PLUTO. Astrophysical Journal, 2016, 825, 141.	4.5	7
110	Photolysis of O₂ dispersed in solid neon with far-ultraviolet radiation. Physical Chemistry Chemical Physics, 2018, 20, 7730-7738.	2.8	7
111	Photoionization spectrum and ionization energy of CH3SCl. Journal of Chemical Physics, 1999, 110, 4757-4762.	3.0	6
112	Photoionization efficiency spectrum and ionization energy of S2O2. Journal of Chemical Physics, 1999, 110, 188-191.	3.0	6
113	Low temperature photoluminescence of Cs2NaY1â^'xErxCl6 excited by synchrotron radiation. Chemical Physics Letters, 2011, 515, 235-240.	2.6	6
114	Tunable bandgap energy of fluorinated nanocrystals for flash memory applications produced by low-damage plasma treatment. Nanotechnology, 2012, 23, 475201.	2.6	6
115	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
116	Formation of Nascent Product N₂O from the Irradiation of O₂ in Icy N₂. Astrophysical Journal, 2018, 864, 95.	4.5	6
117	Formation and Dissociation of N₃ in Icy N₂ with Far-ultraviolet Light. Astrophysical Journal, 2019, 877, 27.	4.5	6
118	Threshold for Photoionization of C6F6in Solid Neon. The Journal of Physical Chemistry, 1996, 100, 8200-8203.	2.9	5
119	Photoionization study of CH3SCH2Cl formed in the reaction system Cl/Cl2/CH3SCH3. Journal of Chemical Physics, 2001, 114, 4817-4823.	3.0	5
120	Linear and folded films of a zwitterionic polysquaraine. RSC Advances, 2013, 3, 21294.	3.6	5
121	Farâ€UVâ€Excited Luminescence of Nitrogenâ€Vacancy Centers: Evidence for Diamonds in Space. Angewandte Chemie, 2017, 129, 14661-14665.	2.0	5
122	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
123	Using an ATR-FTIR Technique to Detect Pathogens in Patients with Urinary Tract Infections: A Pilot Study. Sensors, 2022, 22, 3638.	3.8	5
124	Ultraviolet spectra of KPb2Cl5:Er3+. Applied Physics Letters, 2008, 92, .	3.3	4
125	Electroluminescence from h-BN by using Al2O3/h-BN multiple heterostructure. Optics Express, 2019, 27, 19692.	3.4	4
126	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

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127	Photoionization-efficiency spectrum and ionization energy of C2H5SCl. Journal of Chemical Physics, 1999, 111, 10093-10098.	3.0	3
128	Charge Transfer Luminescence of Several Zirconium-Containing Compounds Using Synchrotron Radiation. Electrochemical and Solid-State Letters, 2011, 14, J61.	2.2	3
129	Absorption, emission and photolysis of C₆₀with far-UV excitation. Monthly Notices of the Royal Astronomical Society, 2015, 452, 2788-2793.	4.4	3
130	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
131	Ultraviolet and Infrared Spectra of Diboron in Solid Neon at 4 K. ChemPhysChem, 2017, 18, 124-127.	2.1	3
132	Emission spectra of atomic and molecular nitrogen from photolysis of ammonia in solid neon. AIP Advances, 2019, 9, .	1.3	3
133	Blue/near UV light emission from hybrid InN/TiO2 nanoparticle films. Journal of Materials Chemistry, 2011, 21, 8540.	6.7	2
134	Eliminated UV Light Emitted from Nanostructured Silica Thin Film using H2 Plasma by ICP-CVD. Current Nanoscience, 2011, 7, 240-244.	1.2	2
135	Infrared absorption spectra of methylidene radicals in solid neon. Chemical Communications, 2014, 50, 7968-7970.	4.1	2
136	Photodissociation threshold and emission with 220Ânm of icy ethene. Icarus, 2018, 302, 261-265.	2.5	2
137	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
138	Mid-infrared spectra of silane dispersed in solid neon. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 228, 117838.	3.9	2
139	Possible detection of hydrazine on Saturnâ€™s moon Rhea. Science Advances, 2021, 7, .	10.3	2
140	Photoluminescence of optical windows excited with extreme ultraviolet radiation. Optics Letters, 2020, 45, 5413.	3.3	2
141	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
142	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
143	Polymers with well-controlled molecular weight for DUV/VUV lithography. , 2003, , .		1
144	Quantum-chemical calculations on isomers of C5O. Computational and Theoretical Chemistry, 2009, 913, 58-62.	1.5	1

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145	Far-UV photoluminescence of boron-doped diamond: Cross interaction between boron and diamond. Carbon, 2018, 134, 448-451.	10.3	1
146	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
147	Photoionization studies of benzene-argon complexes with synchrotron VUV radiation. AIP Advances, 2019, 9, 125005.	1.3	1
148	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
149	Vacuum-Ultraviolet Absorption Spectra of Icy C2H4 at 13â€“60ÂK. Frontiers in Astronomy and Space Sciences, 2021, 8, .	2.8	1
150	Synchrotron Photoluminescence Spectroscopy of Boron Nitride Nanotubes with Different Metal Impurities. Materials Research Society Symposia Proceedings, 2009, 1204, 1.	0.1	0
151	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
152	VACUUM ULTRAVIOLET PHOTODISSOCIATION OF ETHENE ISOLATED IN SOLID NEON. , 0, , 489-497.		0