

John P Maier

List of Publications by Year in descending order

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111
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147801

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51
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115
all docs

115
docs citations

115
times ranked

1405
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic and infrared spectra of C ₆₀ and C ₆₀ ⁺ in neon and argon matrices. <i>Chemical Physics Letters</i> , 1993, 211, 227-234.	2.6	148
2	Detection of C ₃ in Diffuse Interstellar Clouds. <i>Astrophysical Journal</i> , 2001, 553, 267-273.	4.5	142
3	Electronic absorption spectra of linear carbon chains in neon matrices. II. C _{2n} , C _{2n} ⁺ , and C _{2n} H. <i>Journal of Chemical Physics</i> , 1995, 103, 54-59.	3.0	133
4	Electronic Spectroscopy of Carbon Chains. <i>Journal of Physical Chemistry A</i> , 1998, 102, 3462-3469.	2.5	118
5	Electronic spectroscopy of carbon chains. <i>Chemical Society Reviews</i> , 1997, 26, 21.	38.1	101
6	Electronic absorption spectra of linear carbon chains in neon matrices. IV. C _{2n+1} n=2-7. <i>Journal of Chemical Physics</i> , 1996, 104, 4954-4960.	3.0	100
7	Electronic spectra of the chains HC _{2n} H (n=8-13) in the gas phase. <i>Journal of Chemical Physics</i> , 2001, 114, 2208-2212.	3.0	96
8	Absorption spectra of conjugated hydrocarbon cation chains in neon matrices. <i>Chemical Physics</i> , 1994, 189, 335-341.	1.9	84
9	Electronic absorption spectra of linear carbon chains in neon matrices. I. C ₆ , C ₆ ⁺ , and C ₆ H. <i>Journal of Chemical Physics</i> , 1995, 103, 48-53.	3.0	80
10	A Novel Method to Measure Electronic Spectra of Cold Molecular Ions. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 4051-4054.	4.6	78
11	On the Possible Role of Carbon Chains as Carriers of Diffuse Interstellar Bands. <i>Astrophysical Journal</i> , 2004, 602, 286-290.	4.5	76
12	Electronic absorption spectra of linear carbon chains in neon matrices. III. HC _{2n+1} H. <i>Journal of Chemical Physics</i> , 1995, 103, 8805-8810.	3.0	73
13	Emission spectra of the radical cations of diacetylene (C ₄ H ⁺), triacetylene (C ₅ H ⁺), and tetraacetylene (C ₆ H ⁺), and the lifetimes of some vibronic levels of the A _f states. <i>Chemical Physics</i> , 1976, 17, 11-18.	1.9	69
14	The 2-1 electronic spectra of C ₈ H and C ₁₀ H in the gas phase. <i>Journal of Chemical Physics</i> , 1998, 109, 3819-3823.	3.0	63
15	Electronic Spectroscopy of Carbon Chains. <i>Annual Review of Physical Chemistry</i> , 2008, 59, 519-544.	10.8	63
16	Electronic absorption spectra of linear C ₆ , C ₈ and cyclic C ₁₀ , C ₁₂ in neon matrices. <i>Journal of Chemical Physics</i> , 1999, 111, 7397-7401.	3.0	58
17	Electronic spectra of the C ₇₀ molecule and C ₇₀ ⁺ ions in neon matrices. <i>Chemical Physics Letters</i> , 1993, 206, 203-209.	2.6	57
18	Photodetachment Spectrum of I ⁻ . $\documentclass{aastex} \usepackage{amsmath} \usepackage{amssymb} \usepackage{bm} \usepackage{mathrsfs} \usepackage{pifont} \usepackage{stmaryrd} \usepackage{textcomp} \usepackage{portland,xspace} \usepackage{amsmath,amsxtra} \usepackage[OT2,OT1]{fontenc} \ewcommand{\cyrc}{\newcommand{\mdefault}{wncyr} \newcommand{\sfdefault}{wncys} \newcommand{\codingdefault}{OT2} \ormalfont \selectfont} \DeclareTextFontCommand{\extcyr}$	4.5	51

#	ARTICLE	IF	CITATIONS
19	Electronic spectra of carbon chains and derivatives. International Reviews in Physical Chemistry, 2010, 29, 521-554.	2.3	49
20	Electronic and infrared spectra of H ₂ C ₃ H ⁺ and cyclic C ₃ H ₃ ⁺ in neon matrices. Journal of Chemical Physics, 2001, 114, 10355-10361.	3.0	46
21	Electronic absorption spectra of C ₄ ⁺ and C ₆ ⁺ chains in neon matrices. Journal of Chemical Physics, 1997, 107, 22-27.	3.0	45
22	Rotationally resolved A ² Σ ⁺ electronic spectrum of triacetylene cation by frequency modulation absorption spectroscopy. Journal of Chemical Physics, 1999, 110, 296-303.	3.0	44
23	Infrared absorption spectrum of Ar ⁺ HN ₂ ⁺ in a supersonic slit expansion. Journal of Chemical Physics, 1997, 107, 8706-8708.	3.0	41
24	Absorption spectroscopy of mass-selected ions in neon matrices. Journal of Chemical Physics, 1989, 90, 600-601.	3.0	38
25	Electronic Absorption Spectra of BC, BC ⁻ , BC ₂ , and B in Neon Matrices. Journal of Physical Chemistry A, 1998, 102, 9106-9108.	2.5	38
26	Electronic absorption spectra of C ₂ nH ⁺ , C ₂ n ⁺ 1N ⁺ (n=4-7), and C ₂ n ⁺ 1N ⁺ (n=3-7) chains in neon matrices. Journal of Chemical Physics, 1999, 110, 1492-1496.	3.0	38
27	The 1 ¹ Σ ⁺ electronic spectrum of C ₅ in the gas phase. Journal of Chemical Physics, 1999, 111, 6161-6163.	3.0	38
28	Fullerenes in Space. Angewandte Chemie - International Edition, 2017, 56, 4920-4929.	13.8	38
29	Electronic spectra of long odd-number carbon chains C ₁₇ ⁺ -C ₂₁ and C ₁₃ ⁺ -C ₂₁ ⁺ . Chemical Physics Letters, 1999, 304, 35-38.	2.6	37
30	Electronic Absorption Spectra of Protonated Pyrene and Coronene in Neon Matrixes. Journal of Physical Chemistry A, 2011, 115, 10972-10978.	2.5	36
31	Electronic Transitions of Protonated Benzene and Fulvene, and of C ₆ H ₇ Isomers in Neon Matrices. Journal of the American Chemical Society, 2010, 132, 14979-14985.	13.7	35
32	Microsolvation of the water cation in neon: Infrared spectra and potential energy surface of the H ₂ O ⁺ Ne open-shell ionic complex. Journal of Chemical Physics, 2001, 114, 7081-7093.	3.0	34
33	Rotationally resolved A ² Σ ⁺ electronic spectrum of tetraacetylene cation. Chemical Physics Letters, 2000, 329, 29-35.	2.6	32
34	Electronic Gas-Phase Spectra of Larger Polyacetylene Cations. Journal of Physical Chemistry A, 2007, 111, 1887-1890.	2.5	31
35	The 3 ¹ Σ ⁺ electronic spectrum of linear C ₄ in the gas phase. Journal of Chemical Physics, 2000, 112, 9777-9779.	3.0	29
36	Laboratory spectroscopy of astrophysically relevant carbon species. Chemical Society Reviews, 2014, 43, 4602-4614.	38.1	29

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37	Electronic absorption spectra of cyanogen cation (N_2^+), cyanoacetylene cation (HC_3^+), and methylcyanoacetylene cation (MeC_3^+) in neon matrixes. <i>The Journal of Physical Chemistry</i> , 1985, 89, 3190-3193.	2.9	27
38	Interstellar detection of C_6O^+ . <i>Nature</i> , 1994, 370, 423-424.	27.8	27
39	Electronic absorption spectra of carbon chain anions C_n^- ($n=4-7$) in neon matrixes. <i>Journal of Chemical Physics</i> , 1997, 107, 4468-4472.	3.0	27
40	Electronic absorption spectra of B_3 and B_3^+ in neon matrixes and ab initio analysis of the vibronic structure. <i>Journal of Chemical Physics</i> , 2003, 119, 9703-9709.	3.0	27
41	ELECTRONIC ABSORPTION SPECTRA OF PROTONATED ANTHRACENES AND PHENANTHRENES, AND THEIR NEUTRALS IN NEON MATRICES. <i>Astrophysical Journal</i> , 2011, 728, 131.	4.5	26
42	The Gas Phase Spectrum of Cyclic C_{18} and the Diffuse Interstellar Bands. <i>Astrophysical Journal</i> , 2006, 640, 369-372.	4.5	24
43	Electronic spectra of linear HC_5H and cumulene carbene H_2C_5 . <i>Journal of Chemical Physics</i> , 2015, 142, 244311.	3.0	23
44	Rotationally resolved $A^1\Sigma^+$ electronic spectra of cyanodiacetylene and dicyanoacetylene cations. <i>Journal of Chemical Physics</i> , 1999, 111, 9600-9608.	3.0	22
45	Rotationally resolved electronic spectrum of propadienylidene. <i>Journal of Molecular Spectroscopy</i> , 2005, 229, 276-282.	1.2	22
46	Higher Excited Electronic Transitions of Polyacetylene Cations HC_n^+ ($n=2-7$) in Neon Matrixes. <i>Journal of Physical Chemistry A</i> , 2007, 111, 11831-11836.	2.5	20
47	Gas phase electronic spectrum of linear $AlCCH$. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 3897.	2.8	20
48	Higher energy electronic transitions of $HC_{2n+1}H^+$ ($n=2-7$) and $HC_{2n+1}H$ ($n=4-7$) in neon matrixes. <i>Journal of Chemical Physics</i> , 2010, 133, 024304.	3.0	20
49	On the Benzylum/Tropylium Ion Dichotomy: Electronic Absorption Spectra in Neon Matrixes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3022-3025.	13.8	20
50	Electronic Absorption Spectra of C_4O^- and C_4S^- in Neon Matrixes. <i>Journal of Physical Chemistry A</i> , 2001, 105, 4894-4897.	2.5	19
51	Electronic absorption spectra of CCS^+ and CCS in neon matrixes. <i>Journal of Molecular Spectroscopy</i> , 2003, 222, 15-21.	1.2	18
52	Fluorescence of protonated pyrene and coronene in neon matrixes. <i>Journal of Molecular Structure</i> , 2012, 1025, 147-150.	3.6	18
53	The electronic absorption spectrum of $Li-C_4^+$ in a Ne matrix. <i>Chemical Physics Letters</i> , 1983, 96, 645-648.	2.6	17
54	Electronic spectra of radicals in a supersonic slit-jet discharge by degenerate and two-color four-wave mixing. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 136-141.	2.8	17

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55	The $\tilde{X}^1\Sigma^+$ electronic transition of HC ₆ N. Journal of Chemical Physics, 2001, 114, 7918-7922.	3.0	16
56	Electronic Absorption Spectra of C _n Cl Radicals (n = 5, 6) and Their Cations in Neon Matrices. Journal of Physical Chemistry A, 2004, 108, 4219-4223.	2.5	16
57	Gas-phase Electronic Spectra of Coronene and Corannulene Cations. Astrophysical Journal, 2017, 836, 37.	4.5	16
58	Electronic Absorption Spectra of the Protonated Polyacetylenes H ₂ C _n H ⁺ (n = 4, 6, 8) in Neon Matrixes. Journal of Physical Chemistry A, 2006, 110, 10404-10408.	2.5	15
59	Electronic Spectrum of the AlC ₂ Radical. Journal of Physical Chemistry A, 2007, 111, 11986-11989.	2.5	15
60	Electronic Spectra and Reversible Photoisomerization of Protonated Naphthalenes in Solid Neon. Journal of Physical Chemistry A, 2013, 117, 351-360.	2.5	15
61	Resonant two-photon ionization spectroscopy of BNB. Journal of Chemical Physics, 2006, 125, 194315.	3.0	14
62	Electronic spectroscopy of transient species in solid neon: the indene-motif polycyclic hydrocarbon cation family C ₉ H _y ⁺ (y = 7-9) and their neutrals. Physical Chemistry Chemical Physics, 2013, 15, 19091.	2.8	14
63	Isomeric Structures and Visible Electronic Spectrum of the C ₇ H ₃ Radicals. Journal of the American Chemical Society, 2003, 125, 14626-14630.	13.7	13
64	Electronic Absorption Spectra of C ₃ Cl, C ₄ Cl, and Their Ions in Neon Matrices. Journal of Physical Chemistry A, 2005, 109, 5553-5559.	2.5	13
65	Formation of Aromatic Structures from Chain Hydrocarbons in Electrical Discharges: Absorption and Fluorescence Study of C ₁₁ H ₉ ⁺ and C ₁₁ H ₉ ⁺ Isomers in Neon Matrices. Journal of the American Chemical Society, 2011, 133, 19796-19806.	13.7	13
66	Electronic and infrared absorption spectra of NCCN ⁺ . International Journal of Mass Spectrometry, 2003, 223-224, 107-114.	1.5	12
67	Electronic transitions of and in neon matrixes. Chemical Physics, 2008, 346, 8-12.	1.9	12
68	UV spectra of iron-doped carbon clusters FeC _n n=3-6. International Journal of Mass Spectrometry, 2014, 365-366, 351-355.	1.5	12
69	Rotationally resolved electronic spectroscopy of a nonlinear carbon chain radical C ₆ H ₄ ⁺ . Journal of Molecular Spectroscopy, 2004, 227, 81-89.	1.2	11
70	The near infrared  $\tilde{X}^1\Sigma^+$ electronic transition of C ₆ H ₄ ⁺ . Journal of Molecular Spectroscopy, 2004, 227, 81-89. xmls:xocs="http://www.elsevier.com/xml/xocs/dtd" xmls:xs="http://www.w3.org/2001/XMLSchema" xmls:xsi="http://www.w3.org/2001/XMLSchema-instance" xmls="http://www.elsevier.com/xml/ja/dtd" xmls:ja="http://www.elsevier.com/xml/ja/dtd" xmls:mml="http://www.w3.org/1998/Math/MathML" xmls:tb="http://www.elsevier.com/xml/common/table/dtd" xmls:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmls:ce="http://www.elsevier.c	2.6	11
71	Electronic Spectra of the MgC ₄ H and MgC ₆ H Radicals. Journal of Physical Chemistry A, 2008, 112, 8686-8689.	2.5	11
72	Rotationally resolved $\tilde{X}^1\Sigma^+$ electronic absorption spectrum of cyanotriacetylene cation in the gas phase. Journal of Chemical Physics, 2000, 112, 8899-8903.	3.0	10

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73	Electronic Absorption Spectra of C ₅ S, C ₆ S, and C ₆ S ⁻ in Neon Matrixes. <i>Journal of Physical Chemistry A</i> , 2003, 107, 8856-8858.	2.5	10
74	Spectroscopic characterization of C ₇ H ₃ ⁺ and C ₇ H ₃ ⁺ ˚: electronic absorption and fluorescence in 6 K neon matrices. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 7023-7030.	2.8	10
75	Electronic Characterization of Reaction Intermediates: The Fluorenylium, Phenalenylium, and Benz[<i>f</i>]indenyl Cations and Their Radicals. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3424-3427.	13.8	10
76	Pathway to the identification of C ₆₀ ⁺ in diffuse interstellar clouds. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150316.	3.4	10
77	A theoretical study of the electronically excited states in linear and cyclic. <i>Molecular Physics</i> , 2004, 102, 2227-2236.	1.7	9
78	Spectroscopic characterization of cations via their electronic transitions. <i>International Reviews in Physical Chemistry</i> , 1990, 9, 281-306.	2.3	8
79	Lifetime broadening in the gas phase B ¹ Σ ⁺ electronic spectrum of C ₈ H. <i>Chemical Physics Letters</i> , 2003, 382, 245-248.	2.6	8
80	Electronic spectroscopy of the nonlinear carbon chains C ₄ H ₄ ⁺ and C ₈ H ₄ ⁺ . <i>Canadian Journal of Chemistry</i> , 2004, 82, 848-853.	1.1	8
81	The Electronic Spectrum of the Fulvenallenyl Radical. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 228-231.	13.8	8
82	Electronic absorption spectra of C ₇ O and C ₇ O ⁺ in 6 Å neon matrices. <i>Molecular Physics</i> , 2013, 111, 1977-1982.	1.7	7
83	The presence of C ₆₀ ⁺ in space. <i>International Journal of Mass Spectrometry</i> , 2018, 434, 116-122.		
84	Selective Detection of Radicals and Ions in a Slit-Jet Discharge by Degenerate and Two-Color Four-Wave Mixing. <i>Journal of Physical Chemistry A</i> , 2009, 113, 13402-13406.	2.5	6
85	Fullerene im Weltraum. <i>Angewandte Chemie</i> , 2017, 129, 5000-5010.	2.0	6
86	DETECTION OF NONPOLAR IONS IN 1/2 STATES BY RADIOASTRONOMY VIA MAGNETIC DIPOLE TRANSITIONS. <i>Astrophysical Journal</i> , 2011, 732, 103.	4.5	5
87	Electronic Spectroscopy of Resonantly Stabilized Aromatic Radicals: 1-Indanyl and Methyl Substituted Analogues. <i>Journal of Physical Chemistry A</i> , 2015, 119, 9078-9084.	2.5	5
88	Electronic absorption spectrum of HC ₇ O ⁺ . <i>Molecular Physics</i> , 2016, 114, 2794-2797.	1.7	5
89	Electronic Characterization of Reaction Intermediates: The Fluorenylium, Phenalenylium, and Benz[<i>f</i>]indenyl Cations and Their Radicals. <i>Angewandte Chemie</i> , 2016, 128, 3485-3488.	2.0	5
90	Electronic Transition of Ferrocenium: Neon Matrix and CASPT2 Studies. <i>Journal of Physical Chemistry C</i> , 2017, 121, 10694-10697.	3.1	5

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91	The electronic gas-phase spectrum of B3 radical revisited. International Journal of Mass Spectrometry, 2009, 280, 174-178.	1.5	4
92	Gas phase electronic spectra of carbon chains C _n (n = 6–9). Physical Chemistry Chemical Physics, 2014, 16, 1161-1165.	2.8	4
93	Electronic Absorption Spectra of H ₂ C ₆ O ⁺ Isomers: Produced by Ion–Molecule Reactions. Journal of Physical Chemistry A, 2015, 119, 50-55.	2.5	4
94	Electronic Transitions of C ₅ H ₃ ⁺ and C ₅ H ₃ : Neon Matrix and CASPT2 Studies. Journal of Physical Chemistry A, 2015, 119, 2338-2343.	2.5	4
95	The $\tilde{A}^2\Sigma^+$ electronic transition of HC ₄ S isotopologues. Molecular Physics, 2008, 106, 2709-2715.	1.7	3
96	Structure of C ₆ HF ⁺ and C ₆ F ₂ ⁺ fragment ions from fluorobenzenes: Electronic spectra in 6K neon matrices. International Journal of Mass Spectrometry, 2013, 354-355, 188-192.	1.5	3
97	Electronic transitions of C ₅ H ⁺ and C ₅ H: neon matrix and CASPT2 studies. Journal of Chemical Physics, 2016, 144, 244309.	3.0	3
98	Gas Phase Detection of Benzocyclopropenyl. Journal of Physical Chemistry A, 2015, 119, 10849-10853.	2.5	2
99	Electronic Spectra of Corannulenic Cations and Neutrals in Neon Matrices and Protonated Corannulene in the Gas Phase at 15 K. Zeitschrift Fur Physikalische Chemie, 2015, 229, 1709-1728.	2.8	2
100	Electronic spectroscopy of resonance-stabilised C ₆ H ₇ radicals. Molecular Physics, 2016, 114, 2808-2816.	1.7	2
101	Electronic spectra of carbon chains of relevance to astrophysics. Symposium - International Astronomical Union, 1997, 178, 287-294.	0.1	1
102	Electronic Transitions of CsC ₂ , CsC ₂ ⁻ , and CsC ₄ in Neon Matrixes. Journal of Physical Chemistry A, 2007, 111, 7551-7554.	2.5	1
103	The $\tilde{A}^2\Sigma^+$ electronic transition in. Journal of Molecular Spectroscopy, 2009, 254, 53-54.	1.2	1
104	Three-level depletion by cavity ringdown absorption spectroscopy: proof of concept. Molecular Physics, 2013, 111, 335-344.	1.7	1
105	Electronic spectra of oxygen containing polycyclic hydrocarbon cations and the protonated analogues. Journal of Chemical Physics, 2015, 143, 084312.	3.0	1
106	Electronic spectra of astrophysically interesting cations. AIP Conference Proceedings, 2015, , .	0.4	1
107	Electronic absorption spectra of linear C ₆ Br and C ₆ Br ⁺ in neon matrices. Journal of Molecular Spectroscopy, 2015, 311, 64-68.	1.2	1
108	Structure and Electronic Transitions of C ₇ H ₄ O ₂ ⁺ and C ₇ H ₅ O ₂ ⁺ Ions: Neon Matrix and Theoretical Studies. Journal of Physical Chemistry A, 2016, 120, 10134-10140.	2.5	1

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109	Spectroscopy and Chemical Dynamics. <i>Chimia</i> , 2010, 64, 855. The $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x$	0.6	0
110	Electronic spectra of chloro- and bromotriacetylene cations in neon matrices. <i>Molecular Physics</i> , 2017, 115, 1667-1677.	1.2	0
111	Electronic spectra of chloro- and bromotriacetylene cations in neon matrices. <i>Molecular Physics</i> , 2017, 115, 1667-1677.	1.7	0