

John P Maier

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1858519/publications.pdf>

Version: 2024-02-01

111
papers

3,097
citations

147801

31
h-index

182427

51
g-index

115
all docs

115
docs citations

115
times ranked

1405
citing authors

#	ARTICLE	IF	CITATIONS
1	The presence of C_{60}^{+} in space. International Journal of Mass Spectrometry, 2018, 434, 116-122.		
2	Fullerenes in Space. Angewandte Chemie - International Edition, 2017, 56, 4920-4929.	13.8	38
3	Gas-phase Electronic Spectra of Coronene and Corannulene Cations. Astrophysical Journal, 2017, 836, 37.	4.5	16
4	Fullerene im Weltraum. Angewandte Chemie, 2017, 129, 5000-5010.	2.0	6
5	Electronic Transition of Ferrocenium: Neon Matrix and CASPT2 Studies. Journal of Physical Chemistry C, 2017, 121, 10694-10697.	3.1	5
6	Electronic spectra of chloro- and bromotriacetylene cations in neon matrices. Molecular Physics, 2017, 115, 1667-1677.	1.7	0
7	Electronic Characterization of Reaction Intermediates: The Fluorenylium, Phenalenylium, and Benz[<i>f</i>]indenyl Cations and Their Radicals. Angewandte Chemie - International Edition, 2016, 55, 3424-3427.	13.8	10
8	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
9	The Electronic Spectrum of the Fulvenallenyl Radical. Angewandte Chemie - International Edition, 2016, 55, 228-231.	13.8	8
10	Electronic absorption spectrum of $HC_{7}O^{+}$. Molecular Physics, 2016, 114, 2794-2797.	1.7	5
11	Pathway to the identification of C_{60}^{+} in diffuse interstellar clouds. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150316.	3.4	10
12	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
13	Electronic spectroscopy of resonance-stabilised $C_{6}H_{7}$ radicals. Molecular Physics, 2016, 114, 2808-2816.	1.7	2
14	Electronic Characterization of Reaction Intermediates: The Fluorenylium, Phenalenylium, and Benz[<i>f</i>]indenyl Cations and Their Radicals. Angewandte Chemie, 2016, 128, 3485-3488.	2.0	5
15	Electronic spectra of oxygen containing polycyclic hydrocarbon cations and the protonated analogues. Journal of Chemical Physics, 2015, 143, 084312.	3.0	1
16	Electronic spectra of linear $HC_{5}H$ and cumulene carbene $H_{2}C_{5}$. Journal of Chemical Physics, 2015, 142, 244311.	3.0	23
17	Electronic spectra of astrophysically interesting cations. AIP Conference Proceedings, 2015, , .	0.4	1
18	Gas Phase Detection of Benzocyclopropenyl. Journal of Physical Chemistry A, 2015, 119, 10849-10853.	2.5	2

#	ARTICLE	IF	CITATIONS
19	Electronic Spectra of Corannulenic Cations and Neutrals in Neon Matrices and Protonated Corannulene in the Gas Phase at 15 K. <i>Zeitschrift Fur Physikalische Chemie</i> , 2015, 229, 1709-1728.	2.8	2
20	Electronic absorption spectra of linear C ₆ Br and C ₆ Br ⁺ in neon matrices. <i>Journal of Molecular Spectroscopy</i> , 2015, 311, 64-68.	1.2	1
21	Electronic Absorption Spectra of H ₂ C ₆ O ⁺ Isomers: Produced by Ion-Molecule Reactions. <i>Journal of Physical Chemistry A</i> , 2015, 119, 50-55.	2.5	4
22	Electronic Transitions of C ₅ H ₃ ⁺ and C ₅ H ₃ : Neon Matrix and CASPT2 Studies. <i>Journal of Physical Chemistry A</i> , 2015, 119, 2338-2343.	2.5	4
23		1.2	0
24	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
25	Laboratory spectroscopy of astrophysically relevant carbon species. <i>Chemical Society Reviews</i> , 2014, 43, 4602-4614.	38.1	29
26	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
27	Gas phase electronic spectra of carbon chains C _n (n = 6-9). <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 1161-1165.	2.8	4
28	UV spectra of iron-doped carbon clusters FeC _n n=3-6. <i>International Journal of Mass Spectrometry</i> , 2014, 365-366, 351-355.	1.5	12
29	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. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 19091.	2.8	14
30	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
31	Three-level depletion by cavity ringdown absorption spectroscopy: proof of concept. <i>Molecular Physics</i> , 2013, 111, 335-344.	1.7	1
32	Structure of C ₆ HF ⁺ and C ₆ F ₂ ⁺ fragment ions from fluorobenzenes: Electronic spectra in 6K neon matrices. <i>International Journal of Mass Spectrometry</i> , 2013, 354-355, 188-192.	1.5	3
33	Electronic Spectra and Reversible Photoisomerization of Protonated Naphthalenes in Solid Neon. <i>Journal of Physical Chemistry A</i> , 2013, 117, 351-360.	2.5	15
34	Electronic absorption spectra of C ₇ O and C ₇ O ⁺ in 6 K neon matrices. <i>Molecular Physics</i> , 2013, 111, 1977-1982.	1.7	7
35	Fluorescence of protonated pyrene and coronene in neon matrices. <i>Journal of Molecular Structure</i> , 2012, 1025, 147-150.	3.6	18
36	Electronic Absorption Spectra of Protonated Pyrene and Coronene in Neon Matrixes. <i>Journal of Physical Chemistry A</i> , 2011, 115, 10972-10978.	2.5	36

#	ARTICLE	IF	CITATIONS
37	Formation of Aromatic Structures from Chain Hydrocarbons in Electrical Discharges: Absorption and Fluorescence Study of $C_{11}H_9^{+}$ and $C_{11}H_9^{\oplus}$ Isomers in Neon Matrices. <i>Journal of the American Chemical Society</i> , 2011, 133, 19796-19806.	13.7	13
38	DETECTION OF NONPOLAR IONS IN 2^3 STATES BY RADIOASTRONOMY VIA MAGNETIC DIPOLE TRANSITIONS. <i>Astrophysical Journal</i> , 2011, 732, 103.	4.5	5
39	On the Benzylum/Tropylium Ion Dichotomy: Electronic Absorption Spectra in Neon Matrices. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3022-3025.	13.8	20
40	ELECTRONIC ABSORPTION SPECTRA OF PROTONATED ANTHRACENES AND PHENANTHRENES, AND THEIR NEUTRALS IN NEON MATRICES. <i>Astrophysical Journal</i> , 2011, 728, 131.	4.5	26
41	Spectroscopy and Chemical Dynamics. <i>Chimia</i> , 2010, 64, 855.	0.6	0
42	Higher energy electronic transitions of $HC_{2n+1}H^+$ ($n=2-7$) and $HC_{2n+1}H$ ($n=4-7$) in neon matrices. <i>Journal of Chemical Physics</i> , 2010, 133, 024304.	3.0	20
43	Electronic spectra of carbon chains and derivatives. <i>International Reviews in Physical Chemistry</i> , 2010, 29, 521-554.	2.3	49
44	Electronic Transitions of Protonated Benzene and Fulvene, and of C_6H_7 Isomers in Neon Matrices. <i>Journal of the American Chemical Society</i> , 2010, 132, 14979-14985.	13.7	35
45	The electronic gas-phase spectrum of B3 radical revisited. <i>International Journal of Mass Spectrometry</i> , 2009, 280, 174-178.	1.5	4
46	The σ electronic transition in. <i>Journal of Molecular Spectroscopy</i> , 2009, 254, 53-54.	1.2	1
47	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
48	Electronic transitions of and in neon matrixes. <i>Chemical Physics</i> , 2008, 346, 8-12.	1.9	12
49	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
50	The σ electronic transition of HC_4S isotopologues. <i>Molecular Physics</i> , 2008, 106, 2709-2715.	1.7	3
51	Electronic Spectra of the MgC_4H and MgC_6H Radicals. <i>Journal of Physical Chemistry A</i> , 2008, 112, 8686-8689.	2.5	11
52	Electronic Spectroscopy of Carbon Chains. <i>Annual Review of Physical Chemistry</i> , 2008, 59, 519-544.	10.8	63
53	Higher Excited Electronic Transitions of Polyacetylene Cations HC_2nH^{+} = $2-7$ in Neon Matrixes. <i>Journal of Physical Chemistry A</i> , 2007, 111, 11831-11836.	2.5	20
54	Gas phase electronic spectrum of linear AICCH. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 3897.	2.8	20

#	ARTICLE	IF	CITATIONS
55	Electronic Spectrum of the AlC_2 Radical. Journal of Physical Chemistry A, 2007, 111, 11986-11989.	2.5	15
56	Electronic Gas-Phase Spectra of Larger Polyacetylene Cations. Journal of Physical Chemistry A, 2007, 111, 1887-1890.	2.5	31
57	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
58	Electronic Absorption Spectra of the Protonated Polyacetylenes $\text{H}_2\text{C}_n\text{H}^+$ (n = 4, 6, 8) in Neon Matrixes. Journal of Physical Chemistry A, 2006, 110, 10404-10408.	2.5	15
59	The Gas Phase Spectrum of Cyclic C_{18} and the Diffuse Interstellar Bands. Astrophysical Journal, 2006, 640, 369-372.	4.5	24
60	Resonant two-photon ionization spectroscopy of BNB. Journal of Chemical Physics, 2006, 125, 194315.	3.0	14
61	Rotationally resolved electronic spectrum of propadienylidene. Journal of Molecular Spectroscopy, 2005, 229, 276-282.	1.2	22
62	The near infrared C_{18} radical. Journal of Molecular Spectroscopy, 2005, 229, 276-282.	2.6	11
63	Electronic Absorption Spectra of C_3Cl , C_4Cl , and Their Ions in Neon Matrices. Journal of Physical Chemistry A, 2005, 109, 5553-5559.	2.5	13
64	A theoretical study of the electronically excited states in linear and cyclic. Molecular Physics, 2004, 102, 2227-2236.	1.7	9
65	On the Possible Role of Carbon Chains as Carriers of Diffuse Interstellar Bands. Astrophysical Journal, 2004, 602, 286-290.	4.5	76
66	Rotationally resolved electronic spectroscopy of a nonlinear carbon chain radical C_6H_4^+ . Journal of Molecular Spectroscopy, 2004, 227, 81-89.	1.2	11
67	Electronic spectroscopy of the nonlinear carbon chains C_4H_4^+ and C_8H_4^+ . Canadian Journal of Chemistry, 2004, 82, 848-853.	1.1	8
68	Electronic Absorption Spectra of C_nCl Radicals (n = 5, 6) and Their Cations in Neon Matrices. Journal of Physical Chemistry A, 2004, 108, 4219-4223.	2.5	16
69	Lifetime broadening in the gas phase $\text{B}^1\Sigma^+_g$ electronic spectrum of C_8H . Chemical Physics Letters, 2003, 382, 245-248.	2.6	8
70	Electronic absorption spectra of CCS^+ and CCS in neon matrices. Journal of Molecular Spectroscopy, 2003, 222, 15-21.	1.2	18
71	Electronic and infrared absorption spectra of NCCN^+ . International Journal of Mass Spectrometry, 2003, 223-224, 107-114.	1.5	12
72	Isomeric Structures and Visible Electronic Spectrum of the C_7H_3 Radicals. Journal of the American Chemical Society, 2003, 125, 14626-14630.	13.7	13

#	ARTICLE	IF	CITATIONS
73	Electronic Absorption Spectra of C5S, C6S, and C6S- in Neon Matrixes. Journal of Physical Chemistry A, 2003, 107, 8856-8858.	2.5	10
74	Electronic absorption spectra of B3 and B3 ⁺ in neon matrices and ab initio analysis of the vibronic structure. Journal of Chemical Physics, 2003, 119, 9703-9709.	3.0	27
75	Electronic Absorption Spectra of C4O- and C4S- in Neon Matrixes. Journal of Physical Chemistry A, 2001, 105, 4894-4897.	2.5	19
76	Detection of C3 in Diffuse Interstellar Clouds. Astrophysical Journal, 2001, 553, 267-273.	4.5	142
77	Electronic and infrared spectra of H2C3H+ and cyclic C3H3+ in neon matrices. Journal of Chemical Physics, 2001, 114, 10355-10361.	3.0	46
78	The A ¹ Σ ⁺ electronic transition of HC6N. Journal of Chemical Physics, 2001, 114, 7918-7922.	3.0	16
79	Electronic spectra of the chains HC2nH (n=8-13) in the gas phase. Journal of Chemical Physics, 2001, 114, 2208-2212.	3.0	96
80	Microsolvation of the water cation in neon: Infrared spectra and potential energy surface of the H2O+ ⁺ Ne open-shell ionic complex. Journal of Chemical Physics, 2001, 114, 7081-7093.	3.0	34
81	Rotationally resolved A ¹ Σ ⁺ electronic spectrum of tetraacetylene cation. Chemical Physics Letters, 2000, 329, 29-35.	4.5	51
82	Rotationally resolved A ¹ Σ ⁺ electronic spectrum of linear C4 in the gas phase. Journal of Chemical Physics, 2000, 112, 9777-9779.	2.6	32
83	Rotationally resolved A ¹ Σ ⁺ electronic absorption spectrum of cyanotriacetylene cation in the gas phase. Journal of Chemical Physics, 2000, 112, 8899-8903.	3.0	10
84	Electronic absorption spectra of C2nH ⁺ , C2n ⁺ 1N ⁺ (n=4-7), and C2n ⁺ 1N ⁺ (n=3-7) chains in neon matrices. Journal of Chemical Physics, 1999, 110, 1492-1496.	3.0	38
85	Electronic absorption spectra of linear C6, C8 and cyclic C10, C12 in neon matrices. Journal of Chemical Physics, 1999, 111, 7397-7401.	3.0	58
86	Rotationally resolved A ¹ Σ ⁺ electronic spectra of cyanodiacetylene and dicyanoacetylene cations. Journal of Chemical Physics, 1999, 111, 9600-9608.	3.0	22
87	Rotationally resolved A ¹ Σ ⁺ electronic spectrum of triacetylene cation by frequency modulation absorption spectroscopy. Journal of Chemical Physics, 1999, 110, 296-303.	3.0	44
88	The 1 ¹ Σ ⁺ electronic spectrum of C5 in the gas phase. Journal of Chemical Physics, 1999, 111, 6161-6163.	3.0	38
89	Electronic spectra of long odd-number carbon chains C17-C21 and C13 ⁺ -C21 ⁺ . Chemical Physics Letters, 1999, 304, 35-38.	2.6	37

#	ARTICLE	IF	CITATIONS
91	Electronic Spectroscopy of Carbon Chains. Journal of Physical Chemistry A, 1998, 102, 3462-3469.	2.5	118
92	Electronic Absorption Spectra of BC, BC-, BC2, and B in Neon Matrices. Journal of Physical Chemistry A, 1998, 102, 9106-9108.	2.5	38
93	The $2\hat{1}\hat{X}\hat{A}\hat{\epsilon}\%2\hat{I}$ electronic spectra of C8H and C10H in the gas phase. Journal of Chemical Physics, 1998, 109, 3819-3823.	3.0	63
94	Electronic absorption spectra of C4 $\hat{\sim}$ ' and C6 $\hat{\sim}$ ' chains in neon matrices. Journal of Chemical Physics, 1997, 107, 22-27.	3.0	45
95	Electronic absorption spectra of carbon chain anions C2n $\hat{\sim}$ ' (n=4 $\hat{\epsilon}$ "7) in neon matrices. Journal of Chemical Physics, 1997, 107, 4468-4472.	3.0	27
96	Infrared absorption spectrum of Ar $\hat{\epsilon}$ "HN2+ in a supersonic slit expansion. Journal of Chemical Physics, 1997, 107, 8706-8708.	3.0	41
97	Electronic spectroscopy of carbon chains. Chemical Society Reviews, 1997, 26, 21.	38.1	101
98	Electronic spectra of carbon chains of relevance to astrophysics. Symposium - International Astronomical Union, 1997, 178, 287-294.	0.1	1
99	Electronic absorption spectra of linear carbon chains in neon matrices. IV. C2n+1 n=2 $\hat{\epsilon}$ "7. Journal of Chemical Physics, 1996, 104, 4954-4960.	3.0	100
100	Electronic absorption spectra of linear carbon chains in neon matrices. I. C $\hat{\sim}$ 6, C6, and C6H. Journal of Chemical Physics, 1995, 103, 48-53.	3.0	80
101	Electronic absorption spectra of linear carbon chains in neon matrices. III. HC2n+1H. Journal of Chemical Physics, 1995, 103, 8805-8810.	3.0	73
102	Electronic absorption spectra of linear carbon chains in neon matrices. II. C $\hat{\sim}$ 2n, C2n, and C2nH. Journal of Chemical Physics, 1995, 103, 54-59.	3.0	133
103	Absorption spectra of conjugated hydrocarbon cation chains in neon matrices. Chemical Physics, 1994, 189, 335-341.	1.9	84
104	Interstellar detection of C60+. Nature, 1994, 370, 423-424.	27.8	27
105	Electronic and infrared spectra of C+60 and C $\hat{\sim}$ 60 in neon and argon matrices. Chemical Physics Letters, 1993, 211, 227-234.	2.6	148
106	Electronic spectra of the C70 molecule and C70+, C70 $\hat{\sim}$ ' ions in neon matrices. Chemical Physics Letters, 1993, 206, 203-209.	2.6	57
107	Spectroscopic characterization of cations via their electronic transitions. International Reviews in Physical Chemistry, 1990, 9, 281-306.	2.3	8
108	Absorption spectroscopy of mass $\hat{\epsilon}$ selected ions in neon matrices. Journal of Chemical Physics, 1989, 90, 600-601.	3.0	38

#	ARTICLE	IF	CITATIONS
109	Electronic absorption spectra of cyanogen cation (N ₂ ⁺), cyanoacetylene cation (HC ₃ ⁺), and methylcyanoacetylene cation (MeC ₃ ⁺) in neon matrixes. The Journal of Physical Chemistry, 1985, 89, 3190-3193.	2.9	27
110	The electronic absorption spectrum of C_4H^+ in a Ne matrix. Chemical Physics Letters, 1983, 96, 645-648.	2.6	17
111	Emission spectra of the radical cations of diacetylene (C_4H^+), triacetylene (C_6H^+), and tetraacetylene (C_8H^+), and the lifetimes of some vibronic levels of the \tilde{A}^1 states. Chemical Physics, 1976, 17, 11-18.	1.9	69