Tibor Pasinszki

List of Publications by Year
in descending order

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93	1,789	304743	330143
papers	citations	22 h-index	37 g-index

99	99	99	1850
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent Advances in Sensing Applications of Graphene Assemblies and Their Composites. Advanced Functional Materials, 2017, 27, 1702891.	14.9	209
2	Synthesis and Application of Zero-Valent Iron Nanoparticles in Water Treatment, Environmental Remediation, Catalysis, and Their Biological Effects. Nanomaterials, 2020, 10, 917.	4.1	150
3	Carbon Nanomaterial Based Biosensors for Non-Invasive Detection of Cancer and Disease Biomarkers for Clinical Diagnosis. Sensors, 2017, 17, 1919.	3.8	132
4	Simulating the vibrational spectra of ionic liquid systems: 1-Ethyl-3-methylimidazolium acetate and its mixtures. Journal of Chemical Physics, 2014, 141, 024510.	3.0	77
5	Copper nanoparticles grafted on carbon microspheres as novel heterogeneous catalysts and their application for the reduction of nitrophenol and one-pot multicomponent synthesis of hexahydroquinolines. New Journal of Chemistry, 2018, 42, 1092-1098.	2.8	43
6	Gas-Phase Generation of the Unstable BrCNO Molecule and Its Stable Dibromofuroxan Dimer. He I Photoelectron, Photoionization Mass Spectroscopy, Mid-Infrared, and ab Initio Studies. The Journal of Physical Chemistry, 1995, 99, 6401-6409.	2.9	35
7	Cyanogen Di-N-oxide (ONCCNO): Gas Phase Generation and a HeI Photoelectron, Photoionization Mass Spectroscopy, Midinfrared, and Ab Initio Study. Journal of the American Chemical Society, 1995, 117, 8425-8430.	13.7	35
8	Two-Dimensional Penning Ionization Electron Spectroscopy of NNO, HCNO, and HNNN:Â Electronic Structure and the Interaction Potential with He*(23S) Metastable and Li(22S) Ground State Atoms. Journal of Physical Chemistry A, 1999, 103, 6746-6756.	2.5	34
9	Ground, Excited, and Ionic States of the NCCNO Molecule:Â A HeI Photoelectron, Infrared, Ultraviolet, andab InitioInvestigation. The Journal of Physical Chemistry, 1996, 100, 16856-16863.	2.9	33
10	Gas-Phase Spectroscopy of the Unstable Acetonitrile N-Oxide Molecule, CH3CNO. Journal of Physical Chemistry A, 2001, 105, 1244-1253.	2.5	32
11	Penning Ionization of CH3CN and CH3NC by Collision with He(23S) Metastable Atoms. The Journal of Physical Chemistry, 1995, 99, 14678-14685.	2.9	31
12	Unstable Chloronitrile Oxide, ClCNO, and Its Stable Ring Dimer:Â Generation, Spectroscopy, and Structure. Journal of Physical Chemistry A, 1998, 102, 4939-4947.	2.5	29
13	Advances in Detecting Ciguatoxins in Fish. Toxins, 2020, 12, 494.	3.4	29
14	He I Photoelectron, Photoionization Mass Spectroscopy, Mid-Infrared, and ab Initio Study of the Unstable CH3OCN Molecule. The Journal of Physical Chemistry, 1995, 99, 1649-1654.	2.9	28
15	Characterization of Ultrathin Films of Chloroaluminum Phthalocyanine during Layer-by-Layer Preparation on Graphite: PIES and UPS Study. The Journal of Physical Chemistry, 1995, 99, 12858-12862.	2.9	27
16	Multiple applications of bio-graphene foam for efficient chromate ion removal and oil-water separation. Chemosphere, 2021, 263, 127790.	8.2	27
17	Microwave Spectrum and Geometry of CyanogenN-Oxide, NCCNO. Journal of Molecular Spectroscopy, 1997, 181, 316-322.	1.2	26
18	Penning ionization of thiocyanatomethane, isocyanatomethane, and isothiocyanatomethane by collision with helium*(23S) metastable atoms. The Journal of Physical Chemistry, 1993, 97, 12718-12724.	2.9	25

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19	The Structure of Pseudohalides-The Existence of a New Isomer. Journal of the American Chemical Society, 1994, 116, 6303-6306.	13.7	25
20	First Isolation and Spectroscopic Observation of Thiofulminic acid (HCNS). Chemistry - A European Journal, 2009, 15, 6100-6102.	3.3	24
21	Synthesis, Spectroscopy and Structure of the Parent Furoxan (HCNO)₂. Journal of Physical Chemistry A, 2009, 113, 170-176.	2.5	24
22	Dimerisation of nitrile oxides: a quantum-chemical study. Physical Chemistry Chemical Physics, 2009, 11, 5263.	2.8	22
23	Carbon microspheres decorated with iron sulfide nanoparticles for mercury(II) removal from water. Journal of Materials Science, 2020, 55, 1425-1435.	3.7	22
24	The equilibrium structure of methyl pseudohalides: an ab initio study. Chemical Physics Letters, 1992, 189, 245-251.	2.6	20
25	Geometric and electronic structure of dicyanofuroxan by experiment and theory. Journal of the Chemical Society Perkin Transactions II, 1996, , 179.	0.9	20
26	High resolution infrared spectroscopy of cyanogen Nâ€oxide, NCCNO. Journal of Chemical Physics, 1996, 105, 4457-4460.	3.0	20
27	Evidence of quasi-intramolecular redox reactions during thermal decomposition of ammonium hydroxodisulfitoferriate(III), (NH4)2[Fe(OH)(SO3)2]Â·H2O. Journal of Thermal Analysis and Calorimetry, 2018, 132, 493-502.	3.6	20
28	Theoretical Study of NCNCO and Its Isomers. Inorganic Chemistry, 1995, 34, 945-951.	4.0	19
29	Gas-phase generation and spectroscopy of the unstable NCCNO molecule. Journal of the Chemical Society Chemical Communications, 1995, , 1901.	2.0	19
30	Ground and ionic states of 1,2,5-thiadiazoles: An UV-photoelectron spectroscopic and theoretical study. Journal of Molecular Structure, 2010, 966, 85-91.	3.6	19
31	Structure and Stability of Small Nitrile Sulfides and Their Attempted Generation from 1,2,5-Thiadiazoles. Journal of Physical Chemistry A, 2001, 105, 6258-6265.	2.5	18
32	Gas-Phase Infrared and ab Initio Study of the Unstable CF3CNO Molecule and Its Stable Furoxan Ring Dimer. Journal of Physical Chemistry A, 2005, 109, 3864-3874.	2.5	18
33	A matrix isolation and computational study of the [C, N, F, S] isomers. Physical Chemistry Chemical Physics, 2009, 11, 9458.	2.8	18
34	Photolysis of Dimethylcarbamoyl Azide in an Argon Matrix: Spectroscopic Identification of Dimethylamino Isocyanate and 1,1-Dimethyldiazene. Journal of Organic Chemistry, 2013, 78, 11985-11991.	3.2	18
35	Structure, Stability, and Generation of CH3CNS. Australian Journal of Chemistry, 2010, 63, 1686.	0.9	17
36	The equilibrium conformation of ethyl isocyanate revisited. Journal of the American Chemical Society, 1993, 115, 1500-1502.	13.7	16

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37	Photoelectron spectroscopic studies of the silicon pseudohalides: relationship between geometrical and electronic structure. Journal of the Chemical Society, Faraday Transactions, 1991, 87, 3805-3810.	1.7	15
38	Quantum-chemical study of the structure and stability of ethynyl pseudohalides: HCî€‡Câ€“NCO and its isomers. Physical Chemistry Chemical Physics, 2003, 5, 259-267.	2.8	15
39	Nanofurry magnetic carbon microspheres for separation processes and catalysis: synthesis, phase composition, and properties. Journal of Materials Science, 2015, 50, 7353-7363.	3.7	15
40	The high resolution infrared spectroscopy of cyanogen diâ€Nâ€oxide (ONCCNO). Journal of Chemical Physics, 1995, 103, 3335-3340.	3.0	14
41	Structures of Alkali Metal Pseudohalides:Â LiOCP, NaOCP, LiSCP, NaSCP. Inorganic Chemistry, 1996, 35, 2132-2135.	4.0	14
42	Penning Ionization Electron Spectroscopic and Ab Initio Study of the Interaction and Ionization of HNCO and HNCS with He*(23S) Metastable and Li(22S) Ground State Atoms. Journal of Physical Chemistry A, 1999, 103, 9195-9203.	2.5	14
43	Midinfrared and Quantum-Chemical Study of the Structure, Conformation, and Isomerization of the Unstable CH3CH2OCN Molecule. Journal of Physical Chemistry A, 2003, 107, 1720-1726.	2.5	13
44	High Influence of Potassium Bromide on Thermal Decomposition of Ammonia Borane^{â€}. Journal of Physical Chemistry C, 2016, 120, 25276-25288.	3.1	13
45	The photoelectron spectra of methyl pseudohalides. International Journal of Quantum Chemistry, 1992, 44, 443-453.	2.0	12
46	Substituted oximes and furoxans as precursors to unstable nitrile oxides. electronic and geometric structures by ultraviolet photoelectron spectroscopy, infrared spectroscopy and ab initio calculations. Journal of Molecular Structure, 1997, 408-409, 161-169.	3.6	12
47	Quantum-chemical study of the structure and stability of pseudohalogens: OCNâ€“NCO and its isomers. Physical Chemistry Chemical Physics, 2008, 10, 1411.	2.8	12
48	Synthesis, Spectroscopy, and Applications of Small Nitrile Oxides. Current Organic Chemistry, 2011, 15, 1720-1733.	1.6	12
49	Development of Vapor/Gas Sensors From Biopolymer Composites. , 2017, , 385-403.		12
50	Generation, Identification, and Synthetic Applications of Nitrile Sulfides and Nitrile Selenides. Current Organic Chemistry, 2011, 15, 1734-1744.	1.6	12
51	Ab initio study of the equilibrium structure of silyl pseudohalides. The Journal of Physical Chemistry, 1993, 97, 1538-1541.	2.9	11
52	The chemical identity of â€œ[Ag(py)₂]MnO₄â€•organic solvent soluble oxidizing agent and new synthetic routes for the preparation of [Ag(py)_n]XO₄(Xâ€‰=â€‰Mn,)	2.2	11
53	Advances in celiac disease testing. Advances in Clinical Chemistry, 2019, 91, 1-29.	3.7	11
54	Silicon and Germanium Azides. Current Organic Chemistry, 2011, 15, 1700-1719.	1.6	10

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55	Generation and Spectroscopic Identification of Selenofulminic Acid and Its Methyl and Cyano Derivatives (XCNSe, X=H, CH₃, NC). Chemistry - A European Journal, 2012, 18, 2646-2652.	3.3	10
56	Synthesis, spectral- and theoretical study, x-ray analysis, and antiproliferative activity of 4,5-dihydrobenzoferroceno[1,2-d][1,2,3]selenadiazole and its benzo-fused analogue. Journal of Organometallic Chemistry, 2018, 863, 70-76.	1.8	10
57	Biosensors for Non-Invasive Detection of Celiac Disease Biomarkers in Body Fluids. Biosensors, 2018, 8, 55.	4.7	10
58	Structure and stability of fluoronitrile oxide, FCNO: A quantum-chemical study. Physical Chemistry Chemical Physics, 2002, 4, 4298-4304.	2.8	9
59	Generation and Spectroscopic Identification of ClCNS, ClNCS and NCCNS. Chemistry - A European Journal, 2013, 19, 17201-17208.	3.3	9
60	The structure of symmetrically substituted carbodiimides. Computational and Theoretical Chemistry, 1995, 331, 289-294.	1.5	8
61	Structure and spectroscopy of dihaloformaldoximes He I photoelectron, photoionization mass spectroscopy, mid-IR, Raman and ab initio study. Journal of the Chemical Society, Faraday Transactions, 1997, 93, 43-51.	1.7	8
62	Penning Ionization of NCCN by Experiment and Theory:â€‰ A Two-Dimensional Penning Ionization Electron Spectroscopic and Quantum Chemical Study. Journal of Physical Chemistry A, 1999, 103, 7170-7178.	2.5	8
63	Generation, Spectroscopy, and Structure of Cyanoformyl Chloride and Cyanoformyl Bromide, XC(O)CN. Journal of Physical Chemistry A, 2012, 116, 3396-3403.	2.5	8
64	UPS and quantum-chemical study of compounds containing SiNCX (X=O, S) groups. Journal of Molecular Structure, 1988, 175, 411-416.	3.6	7
65	The ab initio equilibrium structures of germyl pseudohalides. Chemical Physics Letters, 1993, 205, 123-128.	2.6	7
66	The structure of beryllium pseudohalides. Chemical Physics Letters, 1993, 215, 395-400.	2.6	7
67	Equilibrium Structure of SiH3NCO: Comparison of Theory and Experiments. The Journal of Physical Chemistry, 1995, 99, 8604-8607.	2.9	7
68	Photoelectron spectroscopic investigation of perimidine derivatives. Structural Chemistry, 1990, 1, 367-370.	2.0	6
69	Photoelectron spectroscopic investigation of phenyl isocyanato silanes. Monatshefte FÃ¼r Chemie, 1992, 123, 949-955.	1.8	6
70	Cycloaddition reactions of ICNO. Chemical Physics Letters, 2009, 473, 343-347.	2.6	6
71	Covalent Cyanates and Fulminates. Current Organic Chemistry, 2011, 15, 1688-1699.	1.6	6
72	On the variation of bond length during large-amplitude bending from electron diffraction: the case of CaCl2. Journal of Molecular Structure, 1994, 326, 213-219.	3.6	5

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73	Ground, excited and ionic states of unstable molecules. Journal of Electron Spectroscopy and Related Phenomena, 2000, 108, 63-73.	1.7	5
74	Carbon Microsphere-Supported Metallic Nickel Nanoparticles as Novel Heterogeneous Catalysts and Their Application for the Reduction of Nitrophenol. Molecules, 2021, 26, 5680.	3.8	5
75	Open-chain and ring isomers of CN2OS. Ab initio study of structures and stabilities. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 333.	1.7	4
76	Structure of thionyl imides â€" the new isomer. Chemical Physics Letters, 1996, 250, 466-470.	2.6	4
77	Ultraviolet photoelectron spectroscopy of unstable nitrile oxides. Journal of Electron Spectroscopy and Related Phenomena, 1998, 97, 15-22.	1.7	4
78	Synthesis, spectroscopy and structure of CF3CH2OCN, CF3CH2NCO, and (CF3CH2O)2CNHElectronic supplementary information (ESI) available: Experimental and calculated infrared and Raman vibrational frequencies and intensities of CF3CH2OCN, (CF3CH2O)2CNH and CF3CH2NCO. See http://www.rsc.org/suppdata/cp/b2/b212777f/. Physical Chemistry Chemical Physics, 2003, 5, 1752-1759.	2.8	4
79	On the FCNSâ‡†FC(NS) reaction: A matrix isolation and theoretical study. Journal of Molecular Spectroscopy, 2015, 310, 8-15.	1.2	4
80	Toward the synthesis of thiadiazole-based therapeutic agents: synthesis, spectroscopic study, X-ray analysis, and cross-coupling reactions of the key intermediate 3,5-diiodo-1,2,4-thiadiazole. Research on Chemical Intermediates, 2020, 46, 1507-1519.	2.7	4
81	HeI photoelectron spectra of alkyl pseudohalides. Journal of Electron Spectroscopy and Related Phenomena, 1992, 58, 159-165.	1.7	3
82	Reconciling theory and experiment for SiH3NCO: A comment to a recent article. Journal of Organometallic Chemistry, 1996, 507, 279-280.	1.8	3
83	Synthesis, spectroscopy and structure of diiodofuroxan. Chemical Physics Letters, 2010, 487, 194-199.	2.6	3
84	Matrix-isolation spectroscopic and computational study of [2C, 2N, 2S] isomers: Photochemical generation of SCNNCS and NCSNCS from NCSSCN. Journal of Molecular Structure, 2012, 1025, 117-123.	3.6	3
85	Structure, spectroscopy, and thermal decomposition of 5-chloro-1,2,3,4-thiatriazole: a He I photoelectron, infrared, and quantum chemical study. Structural Chemistry, 2015, 26, 1603-1610.	2.0	3
86	Spectroscopy, structure, thermal and photochemical decomposition of 5-chloro-3-trifluoromethyl-1,2,4-thiadiazole: Generation of trifluoroacetonitrile N-sulfide. Journal of Molecular Structure, 2019, 1179, 118-125.	3.6	3
87	Synthesis, structure and in vitro antiproliferative effects of alkyne-linked 1,2,4-thiadiazole hybrids including erlotinib- and ferrocene-containing derivatives. RSC Advances, 2021, 11, 28685-28697.	3.6	3
88	Structure, Stability, and Cycloaddition Reactions of Nitrile Selenides. Australian Journal of Chemistry, 2014, 67, 444.	0.9	2
89	Synthesis of 3,4-Dihydropyrano[c]chromenes Using Carbon Microsphere Supported Copper Nanoparticles (Cu-NP/C) Prepared from Loaded Cation Exchange Resin as a Catalyst. Current Organic Synthesis, 2019, 16, 288-293.	1.3	2
90	An ab initio study of the geometries of boron pseudohalides. Chemical Physics Letters, 1993, 207, 384-388.	2.6	1

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91	The ab initio structures of CH3PCO, CH3OCP and their sulphur and selenium derivatives. Computational and Theoretical Chemistry, 1994, 303, 39-42.	1.5	1
92	A ONE POT THREE-COMPONENT SYNTHESIS OF SPIROOXOINDOLES USING Cu-NANOPARTICLES GRAFTED ON CARBON MICROSPHERES AS CATALYST. European Chemical Bulletin, 2019, 8, 153.	2.7	1
93	Editorial [Hot Topic: Covalent Pseudohalides (Guest Editor: Tibor Pasinszki)]. Current Organic Chemistry, 2011, 15, 1669-1669.	1.6	0