

Tibor Pasinszki

List of Publications by Year in descending order

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93
papers

1,789
citations

304743

22
h-index

330143

37
g-index

99
all docs

99
docs citations

99
times ranked

1850
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple applications of bio-graphene foam for efficient chromate ion removal and oil-water separation. <i>Chemosphere</i> , 2021, 263, 127790.	8.2	27
2	Synthesis, structure and <i>in vitro</i> antiproliferative effects of alkyne-linked 1,2,4-thiadiazole hybrids including erlotinib- and ferrocene-containing derivatives. <i>RSC Advances</i> , 2021, 11, 28685-28697.	3.6	3
3	Carbon Microsphere-Supported Metallic Nickel Nanoparticles as Novel Heterogeneous Catalysts and Their Application for the Reduction of Nitrophenol. <i>Molecules</i> , 2021, 26, 5680.	3.8	5
4	Carbon microspheres decorated with iron sulfide nanoparticles for mercury(II) removal from water. <i>Journal of Materials Science</i> , 2020, 55, 1425-1435.	3.7	22
5	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. <i>Research on Chemical Intermediates</i> , 2020, 46, 1507-1519.	2.7	4
6	Advances in Detecting Ciguatoxins in Fish. <i>Toxins</i> , 2020, 12, 494.	3.4	29
7	Synthesis and Application of Zero-Valent Iron Nanoparticles in Water Treatment, Environmental Remediation, Catalysis, and Their Biological Effects. <i>Nanomaterials</i> , 2020, 10, 917.	4.1	150
8	Advances in celiac disease testing. <i>Advances in Clinical Chemistry</i> , 2019, 91, 1-29.	3.7	11
9	Spectroscopy, structure, thermal and photochemical decomposition of 5-chloro-3-trifluoromethyl-1,2,4-thiadiazole: Generation of trifluoroacetonitrile N-sulfide. <i>Journal of Molecular Structure</i> , 2019, 1179, 118-125.	3.6	3
10	A ONE POT THREE-COMPONENT SYNTHESIS OF SPIROOXOINDOLES USING Cu-NANOPARTICLES GRAFTED ON CARBON MICROSPHERES AS CATALYST. <i>European Chemical Bulletin</i> , 2019, 8, 153.	2.7	1
11	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. <i>Current Organic Synthesis</i> , 2019, 16, 288-293.	1.3	2
12	Synthesis, spectral- and theoretical study, x-ray analysis, and antiproliferative activity of 4,5-dihydrobenzoferrroceno[1,2-d][1,2,3]selenadiazole and its benzo-fused analogue. <i>Journal of Organometallic Chemistry</i> , 2018, 863, 70-76.	1.8	10
13	Evidence of quasi-intramolecular redox reactions during thermal decomposition of ammonium hydroxodisulfiteferriate(III), (NH ₄) ₂ [Fe(OH)(SO ₃) ₂]. <i>J. Thermal Analysis and Calorimetry</i> , 2018, 132, 493-502.	3.6	20
14	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. <i>New Journal of Chemistry</i> , 2018, 42, 1092-1098.	2.8	43
15	The chemical identity of $[Ag(py)_2]MnO_4$ organic solvent soluble oxidizing agent and new synthetic routes for the preparation of $[Ag(py)_n]XO_4$ ($X = Mn, \dots$) EJTQq1 h 0.7843		
16	Biosensors for Non-Invasive Detection of Celiac Disease Biomarkers in Body Fluids. <i>Biosensors</i> , 2018, 8, 55.	4.7	10
17	Recent Advances in Sensing Applications of Graphene Assemblies and Their Composites. <i>Advanced Functional Materials</i> , 2017, 27, 1702891.	14.9	209
18	Carbon Nanomaterial Based Biosensors for Non-Invasive Detection of Cancer and Disease Biomarkers for Clinical Diagnosis. <i>Sensors</i> , 2017, 17, 1919.	3.8	132

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19	Development of Vapor/Gas Sensors From Biopolymer Composites. , 2017, , 385-403.		12
20	High Influence of Potassium Bromide on Thermal Decomposition of Ammonia Borane $\langle \sup \hat{\epsilon} \rangle$. Journal of Physical Chemistry C, 2016, 120, 25276-25288.	3.1	13
21	On the FCNS $\hat{\dagger} \dagger$ FC(NS) reaction: A matrix isolation and theoretical study. Journal of Molecular Spectroscopy, 2015, 310, 8-15.	1.2	4
22	Structure, spectroscopy, and thermal decomposition of 5-chloro-1,2,3,4-thiaziazole: a He I photoelectron, infrared, and quantum chemical study. Structural Chemistry, 2015, 26, 1603-1610.	2.0	3
23	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
24	Structure, Stability, and Cycloaddition Reactions of Nitrile Selenides. Australian Journal of Chemistry, 2014, 67, 444.	0.9	2
25	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
26	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
27	Generation and Spectroscopic Identification of ClCNS, ClNCS and NCCNS. Chemistry - A European Journal, 2013, 19, 17201-17208.	3.3	9
28	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
29	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
30	Generation and Spectroscopic Identification of Selenofulminic Acid and Its Methyl and Cyano Derivatives (XCNSe, X=H, CH ₃ , NC). Chemistry - A European Journal, 2012, 18, 2646-2652.	3.3	10
31	Editorial [Hot Topic: Covalent Pseudohalides (Guest Editor: Tibor Pasinszki)]. Current Organic Chemistry, 2011, 15, 1669-1669.	1.6	0
32	Covalent Cyanates and Fulminates. Current Organic Chemistry, 2011, 15, 1688-1699.	1.6	6
33	Synthesis, Spectroscopy, and Applications of Small Nitrile Oxides. Current Organic Chemistry, 2011, 15, 1720-1733.	1.6	12
34	Silicon and Germanium Azides. Current Organic Chemistry, 2011, 15, 1700-1719.	1.6	10
35	Generation, Identification, and Synthetic Applications of Nitrile Sulfides and Nitrile Selenides. Current Organic Chemistry, 2011, 15, 1734-1744.	1.6	12
36	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

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37	Synthesis, spectroscopy and structure of diiodofuroxan. <i>Chemical Physics Letters</i> , 2010, 487, 194-199.	2.6	3
38	Structure, Stability, and Generation of CH ₃ CNS. <i>Australian Journal of Chemistry</i> , 2010, 63, 1686.	0.9	17
39	First Isolation and Spectroscopic Observation of Thiofulminic acid (HCNS). <i>Chemistry - A European Journal</i> , 2009, 15, 6100-6102.	3.3	24
40	Cycloaddition reactions of ICNO. <i>Chemical Physics Letters</i> , 2009, 473, 343-347.	2.6	6
41	Synthesis, Spectroscopy and Structure of the Parent Furoxan (HCNO) ₂ . <i>Journal of Physical Chemistry A</i> , 2009, 113, 170-176.	2.5	24
42	A matrix isolation and computational study of the [C, N, F, S] isomers. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 9458.	2.8	18
43	Dimerisation of nitrile oxides: a quantum-chemical study. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 5263.	2.8	22
44	Quantum-chemical study of the structure and stability of pseudohalogens: OCN≡NCO and its isomers. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 1411.	2.8	12
45	Gas-Phase Infrared and ab Initio Study of the Unstable CF ₃ CNO Molecule and Its Stable Furoxan Ring Dimer. <i>Journal of Physical Chemistry A</i> , 2005, 109, 3864-3874.	2.5	18
46	Midinfrared and Quantum-Chemical Study of the Structure, Conformation, and Isomerization of the Unstable CH ₃ CH ₂ OCN Molecule. <i>Journal of Physical Chemistry A</i> , 2003, 107, 1720-1726.	2.5	13
47	Synthesis, spectroscopy and structure of CF ₃ CH ₂ OCN, CF ₃ CH ₂ NCO, and (CF ₃ CH ₂ O) ₂ CNHElectronic supplementary information (ESI) available: Experimental and calculated infrared and Raman vibrational frequencies and intensities of CF ₃ CH ₂ OCN, (CF ₃ CH ₂ O) ₂ CNH and CF ₃ CH ₂ NCO. See http://www.rsc.org/suppdata/cp/b2/b212777f . <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 1752-1759.	2.8	4
48	Quantum-chemical study of the structure and stability of ethynyl pseudohalides: HC≡C≡NCO and its isomers. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 259-267.	2.8	15
49	Structure and stability of fluoronitrile oxide, FCNO: A quantum-chemical study. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 4298-4304.	2.8	9
50	Gas-Phase Spectroscopy of the Unstable Acetonitrile N-Oxide Molecule, CH ₃ CNO. <i>Journal of Physical Chemistry A</i> , 2001, 105, 1244-1253.	2.5	32
51	Structure and Stability of Small Nitrile Sulfides and Their Attempted Generation from 1,2,5-Thiadiazoles. <i>Journal of Physical Chemistry A</i> , 2001, 105, 6258-6265.	2.5	18
52	Ground, excited and ionic states of unstable molecules. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2000, 108, 63-73.	1.7	5
53	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. <i>Journal of Physical Chemistry A</i> , 1999, 103, 9195-9203.	2.5	14
54	Penning Ionization of NCCN by Experiment and Theory: A Two-Dimensional Penning Ionization Electron Spectroscopic and Quantum Chemical Study. <i>Journal of Physical Chemistry A</i> , 1999, 103, 7170-7178.	2.5	8

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55	Two-Dimensional Penning Ionization Electron Spectroscopy of NNO, HCNO, and HNNN: A Electronic Structure and the Interaction Potential with He*(23S) Metastable and Li(22S) Ground State Atoms. <i>Journal of Physical Chemistry A</i> , 1999, 103, 6746-6756.	2.5	34
56	Ultraviolet photoelectron spectroscopy of unstable nitrile oxides. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1998, 97, 15-22.	1.7	4
57	Unstable Chloronitrile Oxide, ClCNO, and Its Stable Ring Dimer: A Generation, Spectroscopy, and Structure. <i>Journal of Physical Chemistry A</i> , 1998, 102, 4939-4947.	2.5	29
58	Structure and spectroscopy of dihaloformaldoximes He I photoelectron, photoionization mass spectroscopy, mid-IR, Raman and ab initio study. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997, 93, 43-51.	1.7	8
59	Substituted oximes and furoxans as precursors to unstable nitrile oxides. electronic and geometric structures by ultraviolet photoelectron spectroscopy, infrared spectroscopy and ab initio calculations. <i>Journal of Molecular Structure</i> , 1997, 408-409, 161-169.	3.6	12
60	Microwave Spectrum and Geometry of CyanogenN-Oxide, NCCNO. <i>Journal of Molecular Spectroscopy</i> , 1997, 181, 316-322.	1.2	26
61	Structures of Alkali Metal Pseudohalides: A LiOCP, NaOCP, LiSCP, NaSCP. <i>Inorganic Chemistry</i> , 1996, 35, 2132-2135.	4.0	14
62	Open-chain and ring isomers of CN2OS. Ab initio study of structures and stabilities. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 333.	1.7	4
63	Geometric and electronic structure of dicyanofuroxan by experiment and theory. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1996, , 179.	0.9	20
64	Structure of thionyl imides " the new isomer. <i>Chemical Physics Letters</i> , 1996, 250, 466-470.	2.6	4
65	Reconciling theory and experiment for SiH3NCO: A comment to a recent article. <i>Journal of Organometallic Chemistry</i> , 1996, 507, 279-280.	1.8	3
66	High resolution infrared spectroscopy of cyanogen N oxide, NCCNO. <i>Journal of Chemical Physics</i> , 1996, 105, 4457-4460.	3.0	20
67	Ground, Excited, and Ionic States of the NCCNO Molecule: A HeI Photoelectron, Infrared, Ultraviolet, and ab Initio Investigation. <i>The Journal of Physical Chemistry</i> , 1996, 100, 16856-16863.	2.9	33
68	The structure of symmetrically substituted carbodiimides. <i>Computational and Theoretical Chemistry</i> , 1995, 331, 289-294.	1.5	8
69	The high resolution infrared spectroscopy of cyanogen di oxide (ONCCNO). <i>Journal of Chemical Physics</i> , 1995, 103, 3335-3340.	3.0	14
70	He I Photoelectron, Photoionization Mass Spectroscopy, Mid-Infrared, and ab Initio Study of the Unstable CH3OCN Molecule. <i>The Journal of Physical Chemistry</i> , 1995, 99, 1649-1654.	2.9	28
71	Equilibrium Structure of SiH3NCO: Comparison of Theory and Experiments. <i>The Journal of Physical Chemistry</i> , 1995, 99, 8604-8607.	2.9	7
72	Characterization of Ultrathin Films of Chloroaluminum Phthalocyanine during Layer-by-Layer Preparation on Graphite: PIES and UPS Study. <i>The Journal of Physical Chemistry</i> , 1995, 99, 12858-12862.	2.9	27

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73	Penning Ionization of CH ₃ CN and CH ₃ NC by Collision with He(23S) Metastable Atoms. The Journal of Physical Chemistry, 1995, 99, 14678-14685.	2.9	31
74	Theoretical Study of NCNCO and Its Isomers. Inorganic Chemistry, 1995, 34, 945-951.	4.0	19
75	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
76	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
77	Gas-phase generation and spectroscopy of the unstable NCCNO molecule. Journal of the Chemical Society Chemical Communications, 1995, , 1901.	2.0	19
78	On the variation of bond length during large-amplitude bending from electron diffraction: the case of CaCl ₂ . Journal of Molecular Structure, 1994, 326, 213-219.	3.6	5
79	The ab initio structures of CH ₃ PCO, CH ₃ OCP and their sulphur and selenium derivatives. Computational and Theoretical Chemistry, 1994, 303, 39-42.	1.5	1
80	The Structure of Pseudohalides-The Existence of a New Isomer. Journal of the American Chemical Society, 1994, 116, 6303-6306.	13.7	25
81	The ab initio equilibrium structures of germyl pseudohalides. Chemical Physics Letters, 1993, 205, 123-128.	2.6	7
82	The structure of beryllium pseudohalides. Chemical Physics Letters, 1993, 215, 395-400.	2.6	7
83	An ab initio study of the geometries of boron pseudohalides. Chemical Physics Letters, 1993, 207, 384-388.	2.6	1
84	The equilibrium conformation of ethyl isocyanate revisited. Journal of the American Chemical Society, 1993, 115, 1500-1502.	13.7	16
85	Ab initio study of the equilibrium structure of silyl pseudohalides. The Journal of Physical Chemistry, 1993, 97, 1538-1541.	2.9	11
86	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
87	The photoelectron spectra of methyl pseudohalides. International Journal of Quantum Chemistry, 1992, 44, 443-453.	2.0	12
88	Photoelectron spectroscopic investigation of phenyl isocyanato silanes. Monatshefte für Chemie, 1992, 123, 949-955.	1.8	6
89	HeI photoelectron spectra of alkyl pseudohalides. Journal of Electron Spectroscopy and Related Phenomena, 1992, 58, 159-165.	1.7	3
90	The equilibrium structure of methyl pseudohalides: an ab initio study. Chemical Physics Letters, 1992, 189, 245-251.	2.6	20

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91	Photoelectron spectroscopic studies of the silicon pseudohalides: relationship between geometrical and electronic structure. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1991, 87, 3805-3810.	1.7	15
92	Photoelectron spectroscopic investigation of perimidine derivatives. <i>Structural Chemistry</i> , 1990, 1, 367-370.	2.0	6
93	LPS and quantum-chemical study of compounds containing SiNCX (X=O, S) groups. <i>Journal of Molecular Structure</i> , 1988, 175, 411-416.	3.6	7