

Jãnos Mink

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9636682/publications.pdf>

Version: 2024-02-01

93
papers

3,038
citations

136950

32
h-index

168389

53
g-index

104
all docs

104
docs citations

104
times ranked

3532
citing authors

#	ARTICLE	IF	CITATIONS
1	A zeolite family with chiral and achiral structures built from the same building layer. <i>Nature Materials</i> , 2008, 7, 381-385.	27.5	205
2	Density functional study of nitrogen oxides. <i>Journal of Chemical Physics</i> , 1994, 100, 2910-2923.	3.0	196
3	A Simple Entry to (̂-5-C5R5)chlorodioxomolybdenum(VI) Complexes (R = H, CH3, CH2Ph) and Their Use as Olefin Epoxidation Catalysts. <i>Organometallics</i> , 2003, 22, 2112-2118.	2.3	148
4	Cycloaddition of CO2 and epoxides catalyzed by imidazolium bromides under mild conditions: influence of the cation on catalyst activity. <i>Catalysis Science and Technology</i> , 2014, 4, 1749.	4.1	90
5	FTIR Spectroscopy of the Atmosphere. I. Principles and Methods. <i>Applied Spectroscopy Reviews</i> , 2004, 39, 295-363.	6.7	86
6	Vibrational and nuclear magnetic resonance spectroscopic studies on some carbonyl complexes of gold, palladium, platinum, rhodium, and iridium. <i>Journal of the Chemical Society Dalton Transactions</i> , 1977, , 2061.	1.1	81
7	Sulfur X-ray Absorption and Vibrational Spectroscopic Study of Sulfur Dioxide, Sulfite, and Sulfonate Solutions and of the Substituted Sulfonate Ions $X_{3CSO_{3}}^{-}$ ($X = H, \dots$) <i>Tj ETQq1410.784314 rgBT /O</i>	1.1	74
8	MTO Schiff-Base Complexes: Synthesis, Structures and Catalytic Applications in Olefin Epoxidation. <i>Chemistry - A European Journal</i> , 2007, 13, 158-166.	3.3	70
9	Organonitrile ligated silver complexes with perfluorinated weakly coordinating anions and their catalytic application for coupling reactions. <i>New Journal of Chemistry</i> , 2005, 29, 366-370.	2.8	68
10	Structure of Thallium(III) Chloride, Bromide, and Cyanide Complexes in Aqueous Solution. <i>Journal of the American Chemical Society</i> , 1995, 117, 5089-5104.	13.7	66
11	Vibrational spectroscopic force field studies of dimethyl sulfoxide and hexakis(dimethyl) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 503</i>	3.3	65
12	Synthesis, characterization, and reactions of tetrakis(nitrile)chromium(II) tetrafluoroborate complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 1293-1298.	1.1	62
13	Transformation of Nickelalactones to Methyl Acrylate: On the Way to a Catalytic Conversion of Carbon Dioxide. <i>ChemSusChem</i> , 2011, 4, 1275-1279.	6.8	59
14	Multiple bonds between transition metals and main-group elements. 124. Structures and reactivity of acylperhenates. <i>Inorganic Chemistry</i> , 1993, 32, 5188-5194.	4.0	58
15	FTIR Spectroscopy of the Atmosphere Part 2. Applications. <i>Applied Spectroscopy Reviews</i> , 2005, 40, 327-390.	6.7	58
16	Tuning the Negative Thermal Expansion Behavior of the Metal-Organic Framework $Cu_{3}BTC_{2}$ by Retrofitting. <i>Journal of the American Chemical Society</i> , 2019, 141, 10504-10509.	13.7	57
17	Multiple Bonds between Main-Group Elements and Transition Metals. 137. Polymeric Methyltrioxorhenium: An Organometallic Nanoscale Double-Layer Structure of Corner-Sharing $ReO_{5}(CH_{3})$ Octahedra with Intercalated Water Molecules. <i>Journal of the American Chemical Society</i> , 1995, 117, 3231-3243.	13.7	56
18	Vibrational spectroscopic and force field studies of N,N-dimethylthioformamide, N,N-dimethylformamide, their deuterated analogues and bis(N,N-dimethylthioformamide)mercury(II) perchlorate. <i>Vibrational Spectroscopy</i> , 1997, 14, 207-227.	2.2	53

#	ARTICLE	IF	CITATIONS
19	Cadmium(II) Cysteine Complexes in the Solid State: A Multispectroscopic Study. <i>Inorganic Chemistry</i> , 2009, 48, 4219-4230.	4.0	52
20	Vibrational spectra of square-planar tetrahalogeno-gold(III), -palladium(II), and -platinum(II) anions in solution. <i>Journal of the Chemical Society Dalton Transactions</i> , 1974, , 1479.	1.1	48
21	Polymer-bound osmium oxide catalysts. <i>Journal of Molecular Catalysis A</i> , 1997, 120, 197-205.	4.8	47
22	Activation of Hydrogen Peroxide by Ionic Liquids: Mechanistic Studies and Application in the Epoxidation of Olefins. <i>Chemistry - A European Journal</i> , 2013, 19, 5972-5979.	3.3	47
23	Crystallographic and Vibrational Spectroscopic Studies of Octakis(DMSO)lanthanoid(III) Iodides. <i>Inorganic Chemistry</i> , 2007, 46, 7731-7741.	4.0	46
24	Singlet- and triplet-state (ethene)nickel: a density functional study. <i>The Journal of Physical Chemistry</i> , 1993, 97, 9986-9991.	2.9	39
25	Palladium(I) carbonyl halide complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1974, , 534.	1.1	38
26	New Class of Oligonuclear Platinum~Thallium Compounds with a Direct Metal-Metal Bond. 5. Structure Determination of Heterodimetallic Cyano Complexes in Aqueous Solution by EXAFS and Vibrational Spectroscopy. <i>Inorganic Chemistry</i> , 2001, 40, 3889-3899.	4.0	36
27	Chlorotrioxorhenium. <i>Neue Synthesen, Reaktionen und Derivate. Chemische Berichte</i> , 1994, 127, 47-54.	0.2	35
28	Intramolecular vibrational coupling in the ground electronic state (S0) of trans-stilbene. <i>The Journal of Physical Chemistry</i> , 1990, 94, 2833-2843.	2.9	34
29	Infrared Emission and Theoretical Study of Carbon Monoxide Adsorbed on Alumina-Supported Rh, Ir, and Pt Catalysts. <i>Journal of Physical Chemistry A</i> , 2006, 110, 1817-1823.	2.5	33
30	Vibrational spectra and structure of the cyclopentadienyl-anion (Cp ^{âˆ’}), the pentamethylcyclopentadienyl-anion (Cp* ^{âˆ’}) and of alkali metal cyclopentadienyls CpM and Cp*M (M=Li, Tj ETQq0180 rgBT / 2) overlock 1	1.0	32
31	FT-Raman and FTIR spectroscopic characterization of biogenic carbonates from <i>Philippine venus</i> seashell and <i>Porites</i> sp. coral. <i>Journal of Raman Spectroscopy</i> , 2008, 39, 1204-1209.	2.5	32
32	Ambidentate coordination in hydrogen bonded dimethyl sulfoxide, (CH3)2SOâˆˆH3O+, and in dichlorobis(dimethyl sulfoxide) palladium(ii) and platinum(ii) solid solvates, by vibrational and sulfur K-edge X-ray absorption spectroscopy. <i>Dalton Transactions</i> , 2009, , 1328.	3.3	30
33	FT-IR Emission Spectroscopy and its Applications. <i>Applied Spectroscopy</i> , 1993, 47, 1446-1451.	2.2	29
34	Oxidation of sulfides to sulfoxides mediated by ionic liquids. <i>RSC Advances</i> , 2012, 2, 8416.	3.6	29
35	Infrared, Raman and force field studies of methyl- and perdeuteriomethyl-mercury(II) halides. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1976, 72, 1025.	1.1	28
36	Vibrational spectroscopic and force field studies of copper(II) chloride and bromide compounds, and crystal structure of KCuBr3. <i>Journal of Raman Spectroscopy</i> , 2008, 39, 16-31.	2.5	28

#	ARTICLE	IF	CITATIONS
37	Cationic copper(I) and silver(I) nitrile complexes with fluorinated weakly coordinating anions: Metal- π nitrile bond strength and its influence on the catalytic performance. <i>Inorganica Chimica Acta</i> , 2006, 359, 4723-4729.	2.4	26
38	Synthesis and Comparison of Transition Metal Complexes of Abnormal and Normal Tetrazolyliidenes: A Neglected Ligand Species. <i>Inorganic Chemistry</i> , 2013, 52, 7031-7044.	4.0	25
39	EXAFS and vibrational spectroscopic study of the dimethyl sulfoxide solvates of the aluminum(III), gallium(III) and indium(III) ions. A crystallographic, normalized X-ray absorption edges, calculated separate contributions of the different scattering paths to the EXAFS oscillations for the dimethyl sulfoxide solvated gallium(III) and indium(III) ions in the solid state and solution: correlation between compression ratio (s/h) and bond lengths in <i>Inorganic Chemistry</i> , 2003, 42, 1746-1753.	3.3	24
40	Detection of toxic effects of Cd ²⁺ on different fish species via liver cytochrome P450-dependent monooxygenase activities and FTIR spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 652-659.	3.7	24
41	Metal-Metal Bonding in Tetracyanometalates (M = PtII, PdII, NiII) of Monovalent Thallium. Crystallographic and Spectroscopic Characterization of the New Compounds Tl ₂ Ni(CN) ₄ and Tl ₂ Pd(CN) ₄ . <i>Inorganic Chemistry</i> , 2007, 46, 4642-4653.	4.0	23
42	Tl ⁺ -Pt(CN) ₅ in the Solid State - A Multimethod Study of an Unusual Compound Containing Inorganic Wires. <i>Chemistry - A European Journal</i> , 2001, 7, 2167-2177.	3.3	22
43	Quantitative Aspects of FT-IR Emission Spectroscopy and Simulation of Emission-Absorption Spectra. <i>Analytical Chemistry</i> , 1995, 67, 3782-3787.	6.5	21
44	Structure and bonding of bisaquamercury(II) and trisaquathallium(III) trifluoromethanesulfonate. <i>Dalton Transactions RSC</i> , 2002, , 4357-4364.	2.3	21
45	FT-Raman investigation of human dental enamel surfaces. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 898-902.	2.5	21
46	Mössbauer, vibrational spectroscopic and solution X-ray diffraction studies of the structure of iron(III) complexes formed with indole-3-alkanoic acids in acidic aqueous solutions. <i>Structural Chemistry</i> , 2006, 17, 105-120.	2.0	20
47	Infrared and Raman spectroscopic and theoretical studies of non-aqua complexes of trivalent rare earth metal ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 61, 1639-1645.	3.9	19
48	Comparison of Open Path and Extractive Long-Path FTIR Techniques in Detection of Air Pollutants. <i>Applied Spectroscopy Reviews</i> , 2006, 41, 77-97.	6.7	19
49	Structural and Vibrational Properties of Silyl (SiH ₃) ⁺ Anions in KSiH ₃ and RbSiH ₃ : New Insight into Si-H Interactions. <i>Inorganic Chemistry</i> , 2015, 54, 2300-2309.	4.0	18
50	Infrared, Raman and force field studies of tetrakis(anionomercuri)methanes. <i>Journal of Organometallic Chemistry</i> , 1983, 256, 203-216.	1.8	17
51	Decomposition of poly(vinyl chloride) in inductively coupled radiofrequency thermal plasma. <i>Chemical Engineering Journal</i> , 2016, 302, 163-171.	12.7	15
52	Metallomethanes. <i>Journal of Organometallic Chemistry</i> , 1986, 301, 1-13.	1.8	13
53	Apparatus and method to measure dielectric properties ($\hat{\mu}^2$ and $\hat{\mu}^3$) of ionic liquids. <i>Review of Scientific Instruments</i> , 2009, 80, 044703.	1.3	13
54	Vibrational spectroscopic study of SiO ₂ -based nanotubes. <i>Vibrational Spectroscopy</i> , 2013, 66, 104-118.	2.2	13

#	ARTICLE	IF	CITATIONS
55	Influence of structural and electronic properties of organomolybdenum(ii) complexes of the type [CpMo(CO)3R] and [CpMo(O2)(O)R] (R = Cl, CH3, CF3) on the catalytic olefin epoxidation. <i>Catalysis Science and Technology</i> , 2015, 5, 2282-2289.	4.1	13
56	Complete assignment of vibrational spectra of 1,5-cyclooctadiene—a theoretical and experimental infrared and Raman study. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1993, 49, 257-270.	0.1	12
57	Xylyltrioxorhenium — the first arylrhenium(vii) oxide applicable as an olefin epoxidation catalyst. <i>Catalysis Science and Technology</i> , 2013, 3, 388-393.	4.1	12
58	Structure and Vibrational Analyses of LiP15. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 5135-5144.	2.0	12
59	Force constant calculations for in-plane vibrations of planar platinum(II) and palladium(II) halide anions [M2X6]2-. <i>Inorganica Chimica Acta</i> , 1978, 26, 119-124.	2.4	11
60	Magnetic, infrared and catalytic studies of PtFe/SiO2 catalysts. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1980, 76, 782.	1.0	11
61	Can the FeCO bending be higher than the FeC stretching frequency in CO adducts of heme proteins?. <i>Chemical Physics Letters</i> , 1998, 287, 531-534.	2.6	11
62	Monomer~Dimer Equilibria of Oxo/Imido Complexes of Heptavalent Rhenium: Theoretical and Spectroscopic Investigations. <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 981-991.	2.0	11
63	Organic~inorganic nanotube hybrids: Organosilica-nanotubes containing ethane, ethylene and acetylene groups. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 2910-2917.	1.8	11
64	Synthesis and Characterization of a Cationic Phthalimido~Functionalized N~Heterocyclic Carbene Complex of Palladium(II) and Its Catalytic Activity. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 1225-1230.	2.0	11
65	Vibrational Spectroscopic and Theoretical Studies of Urea Derivatives with Biochemical Interest: N,N-Dimethylurea, N,N-Dimethylpropyleneurea, and Tetramethylurea. <i>Applied Spectroscopy Reviews</i> , 2010, 45, 274-326.	6.7	10
66	Vibrational Spectroscopic Studies of Molecules with Biochemical Interest: The Cysteine Zwitterion. <i>Applied Spectroscopy Reviews</i> , 2012, 47, 415-483.	6.7	10
67	Effects of Cu2+ and Pb2+ on different fish species: Liver cytochrome P450-dependent monooxygenase activities and FTIR spectra. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2008, 148, 53-60.	2.6	9
68	Vibrational properties and bonding analysis of copper hexacyanoferrate complexes in solid state. <i>Applied Spectroscopy Reviews</i> , 2019, 54, 369-424.	6.7	9
69	Structure Studies of Dimeric [Pt2(CN)10]4- Pentacyanoplatinum(III) and Monomeric Pentacyanoplatinum(IV) Complexes by EXAFS, Vibrational Spectroscopy, and X-ray Crystallography. <i>Journal of Physical Chemistry A</i> , 2002, 106, 3501-3516.	2.5	8
70	Oxidative C-H and C-C Bond Cleavage by a (2,2-Bipyridine)Copper(I) Chloride Complex. <i>Inorganic Chemistry</i> , 2008, 47, 6121-6123.	4.0	8
71	Ion Pairs of Weakly Coordinating Cations and Anions: Synthesis and Application for Sulfide to Sulfoxide Oxidations. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2014, 69, 1149-1163.	0.7	8
72	Infrared spectroscopic investigation of the conformational properties of furan-2-carboxylates. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1980, 36, 633-637.	0.1	7

#	ARTICLE	IF	CITATIONS
73	Metallomethanes. Journal of Organometallic Chemistry, 1986, 306, 273-282.	1.8	5
74	Raman spectroscopy of the effect of reactor neutron irradiation on the structure of polycrystalline C60. Carbon, 2005, 43, 870-873.	10.3	5
75	Determination of Carbon Monoxide Concentration and Total Pressure in Gas Cavities in the Silica Glass Body of Light Bulbs by FT-IR Spectrometry. Analytical Chemistry, 2006, 78, 2382-2387.	6.5	5
76	Photolysis-assisted, long-path FT-IR detection of air pollutants in the presence of water and carbon dioxide. Talanta, 2007, 71, 149-154.	5.5	5
77	Pt(II)â€œion hydration: Structural and vibrational characteristics from theory and experiment. International Journal of Quantum Chemistry, 2009, 109, 2591-2598.	2.0	5
78	Significance of Correction for Detector Temperature in Infrared Emission Spectroscopy. Applied Spectroscopy, 1992, 46, 1747-1749.	2.2	4
79	Vibrational properties of \hat{I}^2 -KSiH ₃ and \hat{I}^2 -RbSiH ₃ : a combined Raman and inelastic neutron scattering study. Journal of Raman Spectroscopy, 2017, 48, 284-291.	2.5	4
80	Structural studies of ligand stabilized Ni/Ga clusters by means of vibrational spectroscopy and theoretical calculations. Journal of Raman Spectroscopy, 2021, 52, 2317-2337.	2.5	4
81	Metallomethanes. Journal of Organometallic Chemistry, 1988, 339, 23-31.	1.8	3
82	Activation of hydrogen peroxide by the nitrate anion in micellar media. Green Chemistry, 2021, 23, 1965-1971.	9.0	3
83	Surface enhanced Raman spectroscopic (SERS) behavior of substituted propenoic acids used in heterogeneous catalytic asymmetric hydrogenation. Journal of Raman Spectroscopy, 2015, 46, 1102-1109.	2.5	2
84	Structure and vibrational spectroscopic study of phthalimido-functionalized N-heterocyclic palladium complexes. Correlations between structure and catalytic activity. Journal of Organometallic Chemistry, 2018, 869, 233-250.	1.8	2
85	Surface enhanced Raman spectroscopic (SERS) behavior of phenylpyruvates used in heterogeneous catalytic asymmetric cascade reaction. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 260, 119912.	3.9	2
86	Palladium as a Catalyst in a Polycondensed Matrix, Part 1. Reaction Kinetics and Catalysis Letters, 2000, 71, 153-158.	0.6	1
87	Surface Corrosion Studies on High-Purity Quartz Vessels for Digestive Sample Preparation. Mikrochimica Acta, 2001, 137, 229-241.	5.0	1
88	Thermal Plasma Decomposition of Tetrachloroethylene. Plasma Chemistry and Plasma Processing, 2018, 38, 771-790.	2.4	1
89	Preparation and characterization by infrared emission spectroscopy and applications of new mineral-based composite materials of biomedical interest. Applied Spectroscopy Reviews, 2018, 53, 439-485.	6.7	1
90	Palladium as Catalyst in a Polycondensed Matrix, Part ii. Reaction Kinetics and Catalysis Letters, 2001, 73, 187-197.	0.6	0

#	ARTICLE	IF	CITATIONS
91	Indirect Determination of Molecular Chlorine by Fourier Transform Infrared Spectrometry. Applied Spectroscopy, 2008, 62, 339-341.	2.2	0
92	Raman, Infrared, Far-infrared and Theoretical Studies of Urea Derivatives with Biological Interest. , 2010, , .		0
93	Structure and Redox Transformations of Iron(III) Complexes with Some Biologically Important Indole-3-Alkanoic Acids in Aqueous Solutions. Chemistry Journal of Moldova, 2007, 2, 88-92.	0.6	0