Istvan Halasz

List of Publications by Year
in descending order

71	1,135	394421 19	434195 31
papers	citations	h-index	g-index

71	71	71	936
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hydrophobic nano-layer on surface prevents H2O adsorption in moderately aluminum deficient Y zeolite crystals. Microporous and Mesoporous Materials, 2021, 310, 110621.	4.4	3
2	Microwave Devulcanized Crumb Rubbers in Polypropylene Based Thermoplastic Dynamic Vulcanizates. Polymers, 2018, 10, 767.	4.5	9
3	Phase Morphology and Mechanical Properties of Cyclic Butylene Terephthalate Oligomer-Containing Rubbers: Effect of Mixing Temperature. Materials, 2016, 9, 722.	2.9	3
4	Novel Bifunctional Additive for Rubbers: Cyclic Butylene Terephthalate Oligomer. Periodica Polytechnica, Mechanical Engineering, 2015, 59, 182-188.	1.4	5
5	Further Search for Hydroxyl Nests in Acid Dealuminated Zeolite Y. Journal of Physical Chemistry C, 2015, 119, 8619-8625.	3.1	17
6	Failure of compression molded all-polyolefin composites studied by acoustic emission. EXPRESS Polymer Letters, 2015, 9, 321-328.	2.1	7
7	Delicate Distinction between OH Groups on Proton-Exchanged H-Chabazite and H-SAPO-34 Molecular Sieves. Journal of Physical Chemistry C, 2015, 119, 24046-24055.	3.1	21
8	Estimation for the Si-O Structures Based on the Homology Concept. Advanced Materials Research, 2015, 1102, 113-116.	0.3	0
9	Insight into the structure of polymerâ€“silica nano-composites prepared by vapor-phase. Journal of Colloid and Interface Science, 2015, 441, 65-70.	9.4	17
10	On The Molecular Basis Of Silica Gel Morphology. Advanced Materials Letters, 2015, 6, 40-46.	0.6	4
11	On existence of hydroxyl nests in acid dealuminated zeolite Y. Microporous and Mesoporous Materials, 2014, 186, 94-100.	4.4	37
12	Molecular Modeling Aspects of Exploring Silica Properties. ACS Symposium Series, 2013, , 113-134.	0.5	1
13	Positron annihilation and N2 adsorption for nanopore determination in silica-polymer composites. RSC Advances, 2012, 2, 3729.	3.6	33
14	²⁹Si NMR and Raman Glimpses into the Molecular Structures of Acid and Base Set Silica Gels Obtained from TEOS and Na-Silicate. Journal of Physical Chemistry C, 2011, 115, 24788-24799.	3.1	45
15	Zeolite Confined Ti(OH)4 Nanoparticles in Highly Active and Selective Oxidation Catalyst. Catalysis Letters, 2011, 141, 948-953.	2.6	4
16	What can vibrational spectroscopy tell about the structure of dissolved sodium silicates?. Microporous and Mesoporous Materials, 2010, 135, 74-81.	4.4	55
17	Molecular aspects of solid silica formation. Studies in Surface Science and Catalysis, 2010, 175, 209-216.	1.5	4
18	Molecular spectroscopy of alkaline silicate solutions. Studies in Surface Science and Catalysis, 2008, , 787-792.	1.5	3

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19	Simulation of silicate structures in their aqueous solutions. Molecular Simulation, 2008, 34, 937-942.	2.0	2
20	Dissociation, molweight, and vibrational spectra of aqueous sodium silicate solutions. Studies in Surface Science and Catalysis, 2007, 170, 800-805.	1.5	5
21	Vibrational spectra and dissociation of aqueous Na2SiO3 solutions. Catalysis Letters, 2007, 117, 34-42.	2.6	77
22	Monitoring the structure of water soluble silicates. Catalysis Today, 2007, 126, 196-202.	4.4	27
23	Molecular spectra and polarity sieving of aluminum deficient hydrophobic H-Y zeolites. Microporous and Mesoporous Materials, 2005, 84, 318-331.	4.4	49
24	Quantifying the n-hexane cracking activity of Fe- and Al-based acidÂsitesÂin H-ZSM-5. Journal of Catalysis, 2003, 218, 155-162.	6.2	12
25	Continuous monitoring the oxyfunctionalization of hexane by aqueous H2O2 over TS-1 related catalysts. Applied Catalysis A: General, 2003, 241, 167-184.	4.3	27
26	Efficient oxyfunctionalization of n-hexane by aqueous H2O2 over a new TS-PQâ„¢ catalyst. Catalysis Today, 2003, 81, 227-245.	4.4	14
27	96 Fast and efficient catalytic oxidation of n-hexane by aqueous H2O2 over TS-PQâ„¢, a new titanium based silicate. Studies in Surface Science and Catalysis, 2003, , 435-438.	1.5	6
28	Hydrophilic and hydrophobic adsorption on Y zeolites. Molecular Physics, 2002, 100, 3123-3132.	1.7	43
29	Uncommon Adsorption Isotherm of Methanol on a Hydrophobic Y-zeolite. Journal of Physical Chemistry B, 2001, 105, 10788-10796.	2.6	43
30	Title is missing!. Catalysis Letters, 1999, 63, 217-225.	2.6	12
31	Title is missing!. Catalysis Letters, 1998, 51, 195-206.	2.6	16
32	Decomposition of no over Cu-ZSM-5 prepared by solid-state ion exchange. Reaction Kinetics and Catalysis Letters, 1997, 61, 27-32.	0.6	3
33	Catalytic Activity and Selectivity of H-ZSM5 for the Reduction of Nitric Oxide by Propane in the Presence of Oxygen. Journal of Catalysis, 1996, 161, 359-372.	6.2	32
34	151Eu and57Fe MÃ¶ssbauer and X-ray diffraction study of high temperature Tl-containing superconductor. Journal of Radioanalytical and Nuclear Chemistry, 1995, 190, 401-405.	1.5	3
35	Active sites of H-ZSM5 catalysts for the oxidation of nitric oxide by oxygen. Catalysis Letters, 1995, 34, 151-161.	2.6	40
36	Rate Oscillations and Chemiluminescence in the Selective Catalytic Reduction of NO by Propane over H-ZSM5. The Journal of Physical Chemistry, 1995, 99, 17186-17191.	2.9	13

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37	Characteristics of Nd1 +xBa2â^'xCu3O6.5 +y superconductors. Physica Status Solidi A, 1993, 140, 213-219.	1.7	3
38	Reduction of NO by H2 on PdO-MoO3/?-Al2O3 of low molybdena loading. Catalysis Letters, 1993, 18, 289-297.	2.6	18
39	Reduction of NO by H2 and CO on PdO-MoO3/?-Al2O3 of low molybdena loading. Catalysis Letters, 1993, 22, 147-156.	2.6	14
40	Catalytic reduction of nitric oxide on PdOâ€"MoO3/Î³-Al2O3. Applied Catalysis B: Environmental, 1993, 2, 131-146.	20.2	43
41	CO Oxidation, no Decomposition and no Reduction by CO on Superconducting and Related Cuprates. Studies in Surface Science and Catalysis, 1993, 75, 2201-2204.	1.5	4
42	Structural investigation of the EuBa2Cu3O7-Î´ high TC superconductor by 151Eu, 119Sn, 57Fe and 57Co MÃ¶ssbauer spectroscopy. Spectrochimica Acta Part A: Molecular Spectroscopy, 1992, 48, 51-64.	0.1	5
43	Preparation and characterization of PdO-MoO3/Î³-Al2O3 catalysts. Applied Catalysis A: General, 1992, 82, 51-63.	4.3	37
44	Reduction of NO by CO on PdO-MoO3/?-Al2O3 of low molybdena loading. Catalysis Letters, 1992, 16, 311-321.	2.6	23
45	57Fe and119Sn MÃ¶ssbauer study of Ti-Containing highT c superconductors. Hyperfine Interactions, 1992, 70, 1143-1146.	0.5	7
46	Catalytic oxidation of carbon monoxide over superconducting and related cuprates. Journal of Catalysis, 1992, 134, 731-736.	6.2	9
47	Determination of the oxygen content in superconducting and related cuprates using temperature-programmed reduction. Journal of Solid State Chemistry, 1991, 92, 327-338.	2.9	18
48	Decomposition of nitric oxide and its reduction by CO over superconducting and related cuprate catalysts. Catalysis Letters, 1991, 11, 327-334.	2.6	16
49	Effect of starting materials on the critical parameters of superconducting Tl î—¸ Ca î—¸ Ba î—¸ Cu î—¸ O compounds. Cryogenics, 1991, 31, 33-40.	1.7	3
50	A new anomaly of temperature dependence of MÃ¶ssbauer parameters in the EuBa2(Cu0.98 119Sn0.01) Tj ETQq0 0 0 rgBT /Overlock 1	1.5	2
51	MÃ¶ssbauer study of Tl containing highT c superconductors. Hyperfine Interactions, 1990, 55, 1331-1335.	0.5	7
52	Selective oxidation of methanol on cuprate catalysts. Reaction Kinetics and Catalysis Letters, 1990, 41, 115-120.	0.6	8
53	Oxidation of carbon monoxide over barium cuprate catalysts. Catalysis Letters, 1990, 6, 349-360.	2.6	15
54	Comparison of oxidation of carbon monoxide on superconducting and insulating Y$z.sbnd;Ba$z.sbnd;Cu$z.sbnd;O caatalysts. Journal of Catalysis, 1990, 126, 109-114.	6.2	28

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55	Non-bulk superconductivity induced by neutron irradiation in multiphase YBa2Cu3O7 and Tl2Ca1Ba2Cu2O8. Physica C: Superconductivity and Its Applications, 1990, 165, 83-90.	1.2	14
56	Comparative MÃ¶ssbauer study of high Tc superconductors. Journal of Radioanalytical and Nuclear Chemistry, 1989, 135, 373-380.	1.5	7
57	First observation of structural changes around the Tc in TlBaCaCuO4.5+y superconductor studied by57Fe MÃ¶ssbauer spectroscopy. Journal of Radioanalytical and Nuclear Chemistry, 1989, 136, 121-125.	1.5	8
58	Selective oxidation and dehydrogenation of methanol on Yâ€“z.sbnd;Baâ€“z.sbnd;Cuâ€“z.sbnd;O catalysts. Applied Catalysis, 1989, 47, L17-L22.	0.8	28
59	Comparison of Y-Ba-Cu-O compounds prepared from BaCuO2 and Ba2Cu3O5+?. Journal of Superconductivity and Novel Magnetism, 1988, 1, 451-461.	0.5	11
60	High Tc superconductivity of a Tlî—¸Baî—¸Caî—¸Cuî—¸O compound. Physics Letters, Section A: General, Atomic and Solid State Physics, 1988, 130, 39-42.	2.1	18
61	Thermoanalytical and x-ray diffraction investigations of Ba2Cu3O5+d for preparation of Y-Ba-Cu-O superconductors. Journal of Crystal Growth, 1988, 91, 444-449.	1.5	48
62	Surface structures of YBa₂Cu₃O_{7â€x}, BiCa_{1Â·7}Sr_{0Â·7}Cu₂O_x and TlCaBaCuO_{4Â·5Â±x} investigated by scanning tunnelling microscopy. Journal of Microscopy, 1988, 152, 407-413.	1.8	7
63	Rate Determining Step in Alcohol Dehydration on La₂O₃, ThO₂ and MoO₃, and Relations to Double Bond Shift in Olefins. Zeitschrift Fur Physikalische Chemie, 1985, 144, 157-163.	2.8	15
64	Comparison of double-bond isomerization of hexenes; a diagnostic tool in elucidating the nature of catalytically active centres on metal oxides. Applied Catalysis, 1985, 19, 241-246.	0.8	10
65	Catalytic isomerization of olefins on BeO. Applied Catalysis, 1984, 9, 213-218.	0.8	2
66	Double bond migration of olefins on deuterated and chlorinated Al2O3 catalysts. Reaction Kinetics and Catalysis Letters, 1982, 19, 389-392.	0.6	3
67	Isomerization of olefins on Ta2O5 catalysts. Reaction Kinetics and Catalysis Letters, 1982, 19, 401-404.	0.6	2
68	Effect of adsorbed water on the activity of MoO3 catalysts in the double bond isomerization of olefins. Reaction Kinetics and Catalysis Letters, 1979, 12, 411-415.	0.6	4
69	Catalytic isomerization of olefins on BeO 3. Adsorption of pyridine on the catalyst. Reaction Kinetics and Catalysis Letters, 1979, 12, 77-81.	0.6	2
70	Catalytic isomerization of olefins on molybdena, I. Reaction Kinetics and Catalysis Letters, 1979, 11, 5-9.	0.6	4
71	Styrene-Butadiene Rubber/Graphene Nanocomposites: Effect of Co-Milling with Cyclic Butylene-Terephthalate. Materials Science Forum, 0, 812, 65-70.	0.3	0