

# Istvan Halasz

## List of Publications by Year in descending order

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71  
papers

1,135  
citations

393982

19  
h-index

433756

31  
g-index

71  
all docs

71  
docs citations

71  
times ranked

936  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrophobic nano-layer on surface prevents H <sub>2</sub> O adsorption in moderately aluminum deficient Y zeolite crystals. <i>Microporous and Mesoporous Materials</i> , 2021, 310, 110621.	2.2	3
2	Microwave Devulcanized Crumb Rubbers in Polypropylene Based Thermoplastic Dynamic Vulcanizates. <i>Polymers</i> , 2018, 10, 767.	2.0	9
3	Phase Morphology and Mechanical Properties of Cyclic Butylene Terephthalate Oligomer-Containing Rubbers: Effect of Mixing Temperature. <i>Materials</i> , 2016, 9, 722.	1.3	3
4	Novel Bifunctional Additive for Rubbers: Cyclic Butylene Terephthalate Oligomer. <i>Periodica Polytechnica, Mechanical Engineering</i> , 2015, 59, 182-188.	0.8	5
5	Further Search for Hydroxyl Nests in Acid Dealuminated Zeolite Y. <i>Journal of Physical Chemistry C</i> , 2015, 119, 8619-8625.	1.5	17
6	Failure of compression molded all-polyolefin composites studied by acoustic emission. <i>EXPRESS Polymer Letters</i> , 2015, 9, 321-328.	1.1	7
7	Delicate Distinction between OH Groups on Proton-Exchanged H-Chabazite and H-SAPO-34 Molecular Sieves. <i>Journal of Physical Chemistry C</i> , 2015, 119, 24046-24055.	1.5	21
8	Estimation for the Si-O Structures Based on the Homology Concept. <i>Advanced Materials Research</i> , 2015, 1102, 113-116.	0.3	0
9	Insight into the structure of polymer-silica nano-composites prepared by vapor-phase. <i>Journal of Colloid and Interface Science</i> , 2015, 441, 65-70.	5.0	17
10	On The Molecular Basis Of Silica Gel Morphology. <i>Advanced Materials Letters</i> , 2015, 6, 40-46.	0.3	4
11	On existence of hydroxyl nests in acid dealuminated zeolite Y. <i>Microporous and Mesoporous Materials</i> , 2014, 186, 94-100.	2.2	37
12	Molecular Modeling Aspects of Exploring Silica Properties. <i>ACS Symposium Series</i> , 2013, , 113-134.	0.5	1
13	Positron annihilation and N <sub>2</sub> adsorption for nanopore determination in silica-polymer composites. <i>RSC Advances</i> , 2012, 2, 3729.	1.7	33
14	<sup>29</sup> Si NMR and Raman Glimpses into the Molecular Structures of Acid and Base Set Silica Gels Obtained from TEOS and Na-Silicate. <i>Journal of Physical Chemistry C</i> , 2011, 115, 24788-24799.	1.5	45
15	Zeolite Confined Ti(OH) <sub>4</sub> Nanoparticles in Highly Active and Selective Oxidation Catalyst. <i>Catalysis Letters</i> , 2011, 141, 948-953.	1.4	4
16	What can vibrational spectroscopy tell about the structure of dissolved sodium silicates?. <i>Microporous and Mesoporous Materials</i> , 2010, 135, 74-81.	2.2	55
17	Molecular aspects of solid silica formation. <i>Studies in Surface Science and Catalysis</i> , 2010, 175, 209-216.	1.5	4
18	Molecular spectroscopy of alkaline silicate solutions. <i>Studies in Surface Science and Catalysis</i> , 2008, , 787-792.	1.5	3

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19	Simulation of silicate structures in their aqueous solutions. <i>Molecular Simulation</i> , 2008, 34, 937-942.	0.9	2
20	Dissociation, molweight, and vibrational spectra of aqueous sodium silicate solutions. <i>Studies in Surface Science and Catalysis</i> , 2007, 170, 800-805.	1.5	5
21	Vibrational spectra and dissociation of aqueous Na <sub>2</sub> SiO <sub>3</sub> solutions. <i>Catalysis Letters</i> , 2007, 117, 34-42.	1.4	77
22	Monitoring the structure of water soluble silicates. <i>Catalysis Today</i> , 2007, 126, 196-202.	2.2	27
23	Molecular spectra and polarity sieving of aluminum deficient hydrophobic H-Y zeolites. <i>Microporous and Mesoporous Materials</i> , 2005, 84, 318-331.	2.2	49
24	Quantifying the n-hexane cracking activity of Fe- and Al-based acid sites in H-ZSM-5. <i>Journal of Catalysis</i> , 2003, 218, 155-162.	3.1	12
25	Continuous monitoring the oxyfunctionalization of hexane by aqueous H <sub>2</sub> O <sub>2</sub> over TS-1 related catalysts. <i>Applied Catalysis A: General</i> , 2003, 241, 167-184.	2.2	27
26	Efficient oxyfunctionalization of n-hexane by aqueous H <sub>2</sub> O <sub>2</sub> over a new TS-PQ <sub>4</sub> catalyst. <i>Catalysis Today</i> , 2003, 81, 227-245.	2.2	14
27	96 Fast and efficient catalytic oxidation of n-hexane by aqueous H <sub>2</sub> O <sub>2</sub> over TS-PQ <sub>4</sub> , a new titanium based silicate. <i>Studies in Surface Science and Catalysis</i> , 2003, , 435-438.	1.5	6
28	Hydrophilic and hydrophobic adsorption on Y zeolites. <i>Molecular Physics</i> , 2002, 100, 3123-3132.	0.8	43
29	Uncommon Adsorption Isotherm of Methanol on a Hydrophobic Y-zeolite. <i>Journal of Physical Chemistry B</i> , 2001, 105, 10788-10796.	1.2	43
30	Title is missing!. <i>Catalysis Letters</i> , 1999, 63, 217-225.	1.4	12
31	Title is missing!. <i>Catalysis Letters</i> , 1998, 51, 195-206.	1.4	16
32	Decomposition of no over Cu-ZSM-5 prepared by solid-state ion exchange. <i>Reaction Kinetics and Catalysis Letters</i> , 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. <i>Journal of Catalysis</i> , 1996, 161, 359-372.	3.1	32
34	<sup>151</sup> Eu and <sup>57</sup> Fe Mössbauer and X-ray diffraction study of high temperature Tl-containing superconductor. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1995, 190, 401-405.	0.7	3
35	Active sites of H-ZSM5 catalysts for the oxidation of nitric oxide by oxygen. <i>Catalysis Letters</i> , 1995, 34, 151-161.	1.4	40
36	Rate Oscillations and Chemiluminescence in the Selective Catalytic Reduction of NO by Propane over H-ZSM5. <i>The Journal of Physical Chemistry</i> , 1995, 99, 17186-17191.	2.9	13

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37	Characteristics of $\text{Nd}_{1-x}\text{Ba}_2\text{Cu}_3\text{O}_{6.5+y}$ superconductors. <i>Physica Status Solidi A</i> , 1993, 140, 213-219.	1.7	3
38	Reduction of NO by H <sub>2</sub> on PdO-MoO <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> of low molybdena loading. <i>Catalysis Letters</i> , 1993, 18, 289-297.	1.4	18
39	Reduction of NO by H <sub>2</sub> and CO on PdO-MoO <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> of low molybdena loading. <i>Catalysis Letters</i> , 1993, 22, 147-156.	1.4	14
40	Catalytic reduction of nitric oxide on PdO-MoO <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> . <i>Applied Catalysis B: Environmental</i> , 1993, 2, 131-146.	10.8	43
41	CO Oxidation, no Decomposition and no Reduction by CO on Superconducting and Related Cuprates. <i>Studies in Surface Science and Catalysis</i> , 1993, 75, 2201-2204.	1.5	4
42	Structural investigation of the $\text{EuBa}_2\text{Cu}_3\text{O}_{7-\delta}$ high TC superconductor by <sup>151</sup> Eu, <sup>119</sup> Sn, <sup>57</sup> Fe and <sup>57</sup> Co Mössbauer spectroscopy. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1992, 48, 51-64.	0.1	5
43	Preparation and characterization of PdO-MoO <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Applied Catalysis A: General</i> , 1992, 82, 51-63.	2.2	37
44	Reduction of NO by CO on PdO-MoO <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> of low molybdena loading. <i>Catalysis Letters</i> , 1992, 16, 311-321.	1.4	23
45	<sup>57</sup> Fe and <sup>119</sup> Sn Mössbauer study of Ti-Containing high T <sub>c</sub> superconductors. <i>Hyperfine Interactions</i> , 1992, 70, 1143-1146.	0.2	7
46	Catalytic oxidation of carbon monoxide over superconducting and related cuprates. <i>Journal of Catalysis</i> , 1992, 134, 731-736.	3.1	9
47	Determination of the oxygen content in superconducting and related cuprates using temperature-programmed reduction. <i>Journal of Solid State Chemistry</i> , 1991, 92, 327-338.	1.4	18
48	Decomposition of nitric oxide and its reduction by CO over superconducting and related cuprate catalysts. <i>Catalysis Letters</i> , 1991, 11, 327-334.	1.4	16
49	Effect of starting materials on the critical parameters of superconducting Tl <sub>1-x</sub> Ca <sub>x</sub> Ba <sub>1-x</sub> Cu <sub>1-x</sub> O compounds. <i>Cryogenics</i> , 1991, 31, 33-40.	0.9	3
50	A new anomaly of temperature dependence of Mössbauer parameters in the $\text{EuBa}_2(\text{Cu}_{0.98}\text{Sn}_{0.01})_{1-x}\text{O}_{7-\delta}$ . <i>Journal of Solid State Chemistry</i> , 1990, 90, 107-114.	0.7	2
51	Mössbauer study of Tl containing high T <sub>c</sub> superconductors. <i>Hyperfine Interactions</i> , 1990, 55, 1331-1335.	0.2	7
52	Selective oxidation of methanol on cuprate catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 1990, 41, 115-120.	0.6	8
53	Oxidation of carbon monoxide over barium cuprate catalysts. <i>Catalysis Letters</i> , 1990, 6, 349-360.	1.4	15
54	Comparison of oxidation of carbon monoxide on superconducting and insulating Y <sub>2</sub> O <sub>3</sub> , Ba <sub>2</sub> O, Cu <sub>2</sub> O catalysts. <i>Journal of Catalysis</i> , 1990, 126, 109-114.	3.1	28

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55	Non-bulk superconductivity induced by neutron irradiation in multiphase YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> and Tl <sub>2</sub> Ca <sub>1</sub> Ba <sub>2</sub> Cu <sub>2</sub> O <sub>8</sub> . Physica C: Superconductivity and Its Applications, 1990, 165, 83-90.	0.6	14
56	Comparative Mössbauer study of high T <sub>c</sub> superconductors. Journal of Radioanalytical and Nuclear Chemistry, 1989, 135, 373-380.	0.7	7
57	First observation of structural changes around the T <sub>c</sub> in TlBaCaCuO <sub>4.5+y</sub> superconductor studied by <sup>57</sup> Fe Mössbauer spectroscopy. Journal of Radioanalytical and Nuclear Chemistry, 1989, 136, 121-125.	0.7	8
58	Selective oxidation and dehydrogenation of methanol on Y <sub>2</sub> Si <sub>2</sub> Ba <sub>2</sub> Cu <sub>2</sub> O catalysts. Applied Catalysis, 1989, 47, L17-L22.	1.1	28
59	Comparison of Y-Ba-Cu-O compounds prepared from BaCuO <sub>2</sub> and Ba <sub>2</sub> Cu <sub>3</sub> O <sub>5+?</sub> . Journal of Superconductivity and Novel Magnetism, 1988, 1, 451-461.	0.5	11
60	High T <sub>c</sub> superconductivity of a Tl <sub>1-x</sub> Ba <sub>1-x</sub> Ca <sub>1-x</sub> Cu <sub>1-x</sub> O compound. Physics Letters, Section A: General, Atomic and Solid State Physics, 1988, 130, 39-42.	0.9	18
61	Thermoanalytical and x-ray diffraction investigations of Ba <sub>2</sub> Cu <sub>3</sub> O <sub>5+d</sub> for preparation of Y-Ba-Cu-O superconductors. Journal of Crystal Growth, 1988, 91, 444-449.	0.7	48
62	Surface structures of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> , BiCa <sub>1.7</sub> Sr <sub>0.7</sub> Cu <sub>2</sub> O <sub>x</sub> and TlCaBaCuO <sub>4.5±x</sub> investigated by scanning tunnelling microscopy. Journal of Microscopy, 1988, 152, 407-413.	0.8	7
63	Rate Determining Step in Alcohol Dehydration on La <sub>2</sub> O <sub>3</sub> , ThO <sub>2</sub> and MoO <sub>3</sub> , and Relations to Double Bond Shift in Olefins. Zeitschrift Fur Physikalische Chemie, 1985, 144, 157-163.	1.4	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.	1.1	10
65	Catalytic isomerization of olefins on BeO. Applied Catalysis, 1984, 9, 213-218.	1.1	2
66	Double bond migration of olefins on deuterated and chlorinated Al <sub>2</sub> O <sub>3</sub> catalysts. Reaction Kinetics and Catalysis Letters, 1982, 19, 389-392.	0.6	3
67	Isomerization of olefins on Ta <sub>2</sub> O <sub>5</sub> catalysts. Reaction Kinetics and Catalysis Letters, 1982, 19, 401-404.	0.6	2
68	Effect of adsorbed water on the activity of MoO <sub>3</sub> 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