Giuseppe Bellussi

List of Publications by Year
in descending order

82	5,379	126907	79698
papers	citations	33 h-index	73 g-index

96	96	96	3385
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Crystalline Microporous Organosilicates with Reversed Functionalities of Organic and Inorganic Components for Room-Temperature Gas Sensing. ACS Applied Materials & Interfaces, 2017, 9, 24812-24820.	8.0	9
2	Background and Recent Advances in Ti-Containing Zeolite Materials. Structure and Bonding, 2017, , 1-52.	1.0	7
3	Eni Carbon Silicates: Innovative Hybrid Materials for Room-Temperature Gas Sensing. Proceedings (mdpi), 2017, 1, 322.	0.2	0
4	Hybrid organicâ€“inorganic zeolites: status and perspectives. Catalysis Science and Technology, 2016, 6, 2502-2527.	4.1	25
5	Zeolite science and technology at Eni. New Journal of Chemistry, 2016, 40, 4061-4077.	2.8	38
6	An industrial perspective on the impact of Haldor TopsÃ¸e on research and development in catalysis by zeolites. Journal of Catalysis, 2015, 328, 11-18.	6.2	13
7	Synthesis and characterization of Si/Ga Eni Carbon Silicates. Chinese Journal of Catalysis, 2015, 36, 813-819.	14.0	6
8	The influence of reactor fluid-dynamics during zeolite synthesis: The synthesis and the cracking activity of hierarchical ERS-10 A zeolite. Journal of Catalysis, 2015, 329, 307-316.	6.2	2
9	Synthesis and characterization of ERS-10 zeolite: Towards a material with hierarchical porosity. Applied Catalysis A: General, 2015, 504, 171-178.	4.3	5
10	The Turning Point of the Refining Industry in Europe. Chemie-Ingenieur-Technik, 2014, 86, 2150-2159.	0.8	4
11	The role of boric acid in the synthesis of Eni Carbon Silicates. Dalton Transactions, 2014, 43, 10617.	3.3	8
12	Hydroconversion of heavy residues in slurry reactors: Developments and perspectives. Journal of Catalysis, 2013, 308, 189-200.	6.2	172
13	The role of MoS₂nano-slabs in the protection of solid cracking catalysts for the total conversion of heavy oils to good quality distillates. Catalysis Science and Technology, 2013, 3, 176-182.	4.1	74
14	New trends in the synthesis of crystalline microporous materials. Catalysis Science and Technology, 2013, 3, 833-857.	4.1	96
15	High pressure hydrogen sulphide adsorption on silicaâ€“aluminas. Chemical Engineering Journal, 2012, 210, 398-403.	12.7	20
16	A highly crystalline microporous hybrid organicâ€“inorganic aluminosilicate resembling the AFI-type zeolite. Chemical Communications, 2012, 48, 7356.	4.1	33
17	Oligomerization of olefins from Light Cracking Naphtha over zeolite-based catalyst for the production of high quality diesel fuel. Microporous and Mesoporous Materials, 2012, 164, 127-134.	4.4	71
18	Catalytic Ring Opening of Perhydroindan â€“ Hydrogenolytic and Cationic Reaction Paths. Chinese Journal of Catalysis, 2012, 33, 70-84.	14.0	10

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19	ECSâ€3: A Crystalline Hybrid Organicâ€“Inorganic Aluminosilicate with Open Porosity. Angewandte Chemie - International Edition, 2012, 51, 666-669.	13.8	61
20	Catalytic ring opening of decalin on Ir- and Pt-containing zeolite Y â€“ Influence of the nature of the charge-compensating alkali cations. Microporous and Mesoporous Materials, 2011, 146, 190-200.	4.4	42
21	Silicaâ€“aluminas for carbon dioxide bulk removal from sour natural gas. Microporous and Mesoporous Materials, 2011, 146, 134-140.	4.4	25
22	ERS-18: A new member of the NONâ€“ELOâ€“NES zeolite family. Microporous and Mesoporous Materials, 2011, 143, 6-13.	4.4	24
23	EMS-6, a novel microporous gadoliniumsilicate with monteregianite structure: Synthesis, crystal structure and thermal behavior. Microporous and Mesoporous Materials, 2010, 134, 115-123.	4.4	3
24	New Method for H2S Removal in Acid Solutions. ChemSusChem, 2010, 3, 829-833.	6.8	10
25	Investigation on the hydrated and dehydrated forms of the ion-exchanged microporous stannosilicate EMS-2. Microporous and Mesoporous Materials, 2009, 117, 414-422.	4.4	4
26	Ring Opening of Methylcyclohexane over Platinumâ€Loaded Zeolites. ChemSusChem, 2008, 1, 548-557.	6.8	17
27	Crystalline hybrid organicâ€“inorganic alumino-silicates. Microporous and Mesoporous Materials, 2008, 113, 252-260.	4.4	39
28	On the crystal structure solution and characterization of ECS-2, a novel microporous hybrid organic-inorganic material. Studies in Surface Science and Catalysis, 2008, 174, 965-968.	1.5	2
29	Synthesis, characterization and crystal structure of EMS-2 â€“ a novel microporous stannosilicate. Microporous and Mesoporous Materials, 2007, 101, 43-49.	4.4	6
30	Synthesis and framework topology of the new disordered ERS-10 zeolite. Journal of Porous Materials, 2007, 14, 315-323.	2.6	5
31	Amorphous aluminosilicate catalysts for hydroxyalkylation of aniline and phenol. Applied Catalysis A: General, 2006, 307, 128-136.	4.3	26
32	Synthesis, characterization and adsorption capacities of microporous titanosilicate EMS-3. Microporous and Mesoporous Materials, 2006, 90, 153-161.	4.4	1
33	Ethaneâ€“silica hybrid material with ordered hexagonal mesoporous structure. Microporous and Mesoporous Materials, 2006, 87, 185-191.	4.4	25
34	Synthesis, characterization and crystal structure of new microporous bismuth silicates. Microporous and Mesoporous Materials, 2006, 97, 34-41.	4.4	13
35	Industrial applications of zeolite catalysis: production and uses of light olefins. Studies in Surface Science and Catalysis, 2005, 158, 1201-1212.	1.5	63
36	ERS-12: A new layered tetramethylammonium silicate composed by ferrierite layers. Microporous and Mesoporous Materials, 2004, 74, 59-71.	4.4	59

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37	Influence of zeolite pore structure on benzene propylation to iso-/n-propylbenzene. Studies in Surface Science and Catalysis, 2004, 154, 2239-2246.	1.5	5
38	A priori selection of shape-selective zeolite catalysts for the synthesis of 2,6-dimethylnaphthalene. Journal of Catalysis, 2003, 217, 298-309.	6.2	88
39	B-containing molecular sieves crystallized in the presence of ethylenediamine. Part II: crystal structure of as-synthesized B-MFI. Microporous and Mesoporous Materials, 2003, 58, 213-223.	4.4	17
40	Structural characterization of borosilicates synthesized in the presence of ethylenediamine. Studies in Surface Science and Catalysis, 2002, 142, 1923-1930.	1.5	2
41	Framework Topology of ERS-10 Zeolite. Angewandte Chemie - International Edition, 2002, 41, 4109-4112.	13.8	13
42	B-containing molecular sieves crystallized in the presence of ethylenediamine. Part I: crystal structure of as-synthesized B-FER. Microporous and Mesoporous Materials, 2002, 56, 193-202.	4.4	21
43	Silica-aluminas: sol-gel synthesis and characterization. Studies in Surface Science and Catalysis, 2001, , 401-411.	1.5	7
44	Production of titanium containing molecular sieves and their application in catalysis. Applied Catalysis A: General, 2001, 221, 63-72.	4.3	281
45	25-O-03 - Selective alkylation of naphthalene to 2,6-dimethylnaphthalene catalyzed by MTW zeolite. Studies in Surface Science and Catalysis, 2001, , 152.	1.5	6
46	Chapter 19 Metal ions associated to molecular sieve frameworks as catalytic sites for selective oxidation reactions. Studies in Surface Science and Catalysis, 2001, , 911-955.	1.5	74
47	Structural characterization of as-synthesized B- and Ti-containing MFI-type molecular sieves. Microporous and Mesoporous Materials, 2000, 35-36, 387-403.	4.4	30
48	Mesoporous silica-aluminas as catalysts for the alkylation of aromatic hydrocarbons with olefins. Microporous and Mesoporous Materials, 1999, 27, 345-354.	4.4	103
49	Stability of Ti in MFI and Beta structures: a comparative study. Microporous and Mesoporous Materials, 1999, 30, 137-144.	4.4	94
50	Synthesis and characterization of boronâ€containing molecular sieves. Topics in Catalysis, 1999, 9, 13-34.	2.8	119
51	Zeolite synthesis in the presence of azonia-spiro compounds as structure-directing agents. Microporous and Mesoporous Materials, 1998, 24, 199-211.	4.4	32
52	The synthesis of the new zeolite, ERS-7, and the determination of its structure by simulated annealing and synchrotron X-ray powder diffraction. Chemical Communications, 1998, , 1725-1726.	4.1	35
53	Synthesis and Characterization of Molecular Sieves Containing Transition Metals in the Framework. Molecular Sieves - Science and Technology, 1998, , 187-228.	0.2	23
54	ERS-8: a new class of microporous aluminosilicates. Studies in Surface Science and Catalysis, 1997, , 205-212.	1.5	20

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55	Acidic Properties of Hâ˜Î² Zeolite As Probed by Bases with Proton Affinity in the 118â˜204 kcal mol-1 Range:â€‰A FTIR Investigation. Journal of Physical Chemistry B, 1997, 101, 4740-4751.	2.6	227
56	Experimental and computational study of beta, ZSM-12, Y, mordenite and ERB-1 in cumene synthesis. Microporous Materials, 1996, 6, 395-404.	1.6	99
57	Layered structure of ERB-1 microporous borosilicate precursor and its intercalation properties towards polar molecules. Microporous Materials, 1995, 4, 221-230.	1.6	214
58	Transalkylation of m-diethylbenzene over large-pore zeolites. Applied Catalysis A: General, 1995, 121, 261-272.	4.3	27
59	Influence of isobutane on the formation of alkenyl carbenium ions from 1-butene over La-beta zeolite. Applied Catalysis A: General, 1995, 126, 401-410.	4.3	22
60	Liquid-Phase Alkylation of Benzene with Light Olefins Catalyzed by Î²-Zeolites. Journal of Catalysis, 1995, 157, 227-234.	6.2	288
61	The origin of the band at 1462 cm?1 generally appearing upon desorption of pyridine from acidic solids. Steps towards a more comprehensive understanding. Catalysis Letters, 1995, 35, 125-133.	2.6	26
62	Adsorption of propene, benzene, their mixtures and cumene on H-beta zeolites studied by IR and UV-VIS spectroscopy. Studies in Surface Science and Catalysis, 1995, 94, 405-412.	1.5	14
63	Metal Ions Associated to the Molecular Sieve Framework: Possible Catalytic Oxidation Sites. Studies in Surface Science and Catalysis, 1994, , 177-213.	1.5	265
64	Amorphous mesoporous silica-alumina with controlled pore size as acid catalysts. Studies in Surface Science and Catalysis, 1994, , 85-92.	1.5	91
65	Progress toward Understanding Zeolite .beta. Acidity: An IR and 27Al NMR Spectroscopic Study. The Journal of Physical Chemistry, 1994, 98, 4627-4634.	2.9	342
66	Ethylation of ethylbenzene over some aluminosilicates with molecular sieve structure. Applied Catalysis A: General, 1993, 103, 173-182.	4.3	13
67	Synthesis and characterization of a potassium borosilicate with ANA framework type structure. Microporous Materials, 1993, 1, 9-15.	1.6	20
68	Acidity Generation of Binary Metal Oxide Catalysts. Studies in Surface Science and Catalysis, 1993, 75, 2047-2050.	1.5	5
69	STUDY ON THE INSERTION OF VANADIUM IN THE SILICALITE FRAMEWORK. , 1993, , 207-214.		3
70	Synthesis of a new porous borosilicate with the levyne structure. Zeolites, 1992, 12, 265-268.	0.5	14
71	Vanadium mixed oxide catalysts for the oxidative coupling of methane. Applied Catalysis A: General, 1992, 83, 235-250.	4.3	13
72	Reactions of titanium silicalite with protic molecules and hydrogen peroxide. Journal of Catalysis, 1992, 133, 220-230.	6.2	365

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73	Synthesis of propylene oxide from propylene and hydrogen peroxide catalyzed by titanium silicalite. Journal of Catalysis, 1991, 129, 159-167.	6.2	715
74	Isomorphous Substitution in Zeolites: A Route for the Preparation of Novel Catalysts. Studies in Surface Science and Catalysis, 1991, 69, 79-92.	1.5	87
75	Double Substitution in Silicalite by Direct Synthesis: A New Route to Crystalline Porous Bifunctional Catalysts. Studies in Surface Science and Catalysis, 1991, 63, 421-429.	1.5	46
76	Synthesis and comparative characterization of Al, B, Ga, and Fe containing Nu-1-type zeolitic framework. Zeolites, 1990, 10, 642-649.	0.5	57
77	Disordered Pentasil-Type Borosilicates. ACS Symposium Series, 1989, , 360-373.	0.5	7
78	On the Properties of Pure and Isomorphic-Substituted Zeolites in the Presence of Gaseous Oxygen: Selective Transformation of Propane. Studies in Surface Science and Catalysis, 1989, 49, 1243-1252.	1.5	42
79	Isomorphous Substitution in Zeolite Catalysts. Studies in Surface Science and Catalysis, 1989, 44, 237-238.	1.5	1
80	5â€“1 SBU Based Zeolites from Wholly Inorganic Systems.. Studies in Surface Science and Catalysis, 1988, 37, 37-44.	1.5	16
81	Titanium-Silicalite: a Novel Derivative in the Pentasil Family. Studies in Surface Science and Catalysis, 1986, 28, 129-136.	1.5	278
82	High pressure X-ray diffraction of thorium to 30 GPa. Journal of the Less Common Metals, 1981, 78, 147-153.	0.8	49