Bruno de Gennaro

List of Publications by Year
in descending order

54	1,116	394421	414414
papers	citations	19 h-index	32 g-index

56	56	56	1084
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cu2+, Zn2+, Cd2+ and Pb2+ exchange for Na+ in a sedimentary clinoptilolite, North Sardinia, Italy. Microporous and Mesoporous Materials, 2000, 37, 337-343.	4.4	140
2	Ion exchange selectivity of phillipsite for Cs and Sr as a function of framework composition. Microporous and Mesoporous Materials, 1999, 28, 315-324.	4.4	61
3	Immobilization of Cs and Sr in aluminosilicate matrices derived from natural zeolites. Journal of Nuclear Materials, 2011, 414, 451-457.	2.7	58
4	Adsorption of the mycotoxin zearalenone by clinoptilolite and phillipsite zeolites treated with cetylpyridinium surfactant. Colloids and Surfaces B: Biointerfaces, 2017, 151, 324-332.	5.0	52
5	Removal of emerging contaminants from water by zeolite-rich composites: A first approach aiming at diclofenac and ketoprofen. Microporous and Mesoporous Materials, 2020, 298, 110057.	4.4	52
6	Surface modified natural zeolite as a carrier for sustained diclofenac release: A preliminary feasibility study. Colloids and Surfaces B: Biointerfaces, 2015, 130, 101-109.	5.0	48
7	Natural zeolites for heavy metals removal from aqueous solutions: Modeling of the fixed bed Ba2+/Na+ ion-exchange process using a mixed phillipsite/chabazite-rich tuff. Chemical Engineering Journal, 2013, 219, 37-42.	12.7	44
8	Removal of non-steroidal anti-inflammatory drugs from water by zeolite-rich composites: The interference of inorganic anions on the ibuprofen and naproxen adsorption. Journal of Environmental Management, 2021, 286, 112168.	7.8	42
9	A comprehensive evaluation of sedimentary zeolites from Turkey as pozzolanic addition of cement- and lime-based binders. Construction and Building Materials, 2016, 105, 46-61.	7.2	40
10	Anion exchange selectivity of surfactant modified clinoptilolite-rich tuff for environmental remediation. Journal of Colloid and Interface Science, 2014, 430, 178-183.	9.4	36
11	Use of surface modified natural zeolite (SMNZ) in pharmaceutical preparations Part 1. Mineralogical and technological characterization of some industrial zeolite-rich rocks. Microporous and Mesoporous Materials, 2017, 250, 232-244.	4.4	34
12	Evaluation of an intermediate-silica sedimentary chabazite as exchanger for potentially radioactive cations. Microporous and Mesoporous Materials, 2003, 61, 159-165.	4.4	33
13	Surfactant-modified phillipsite and chabazite as novel excipients for pharmaceutical applications?. Microporous and Mesoporous Materials, 2016, 224, 143-148.	4.4	32
14	Relationships between the water content of zeolites and their cation population. Microporous and Mesoporous Materials, 2015, 202, 36-43.	4.4	31
15	Sr-, Zn- and Cd-exchanged zeolitic materials as water vapor adsorbents for thermal energy storage applications. Applied Thermal Engineering, 2016, 106, 1217-1224.	6.0	29
16	Rheology-sensitive response of zeolite-supported anti-inflammatory drug systems. Colloids and Surfaces B: Biointerfaces, 2016, 146, 938-944.	5.0	24
17	Surface modified zeolite-based granulates for the sustained release of diclofenac sodium. European Journal of Pharmaceutical Sciences, 2017, 99, 202-208.	4.0	23
18	Zeolitized tuff in environmental friendly production of cementitious material: Chemical and mechanical characterization. Construction and Building Materials, 2015, 99, 272-278.	7.2	22

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19	Zeolite-Rich Composite Materials for Environmental Remediation: Arsenic Removal from Water. Applied Sciences (Switzerland), 2020, 10, 6939.	2.5	22
20	A preliminary investigation on kinetics of zeolite A crystallisation using optical diagnostics. Materials Chemistry and Physics, 2000, 66, 120-125.	4.0	21
21	Use of surface modified natural zeolite (SMNZ) in pharmaceutical preparations. Part 2. A new approach for a fast functionalization of zeolite-rich carriers. Microporous and Mesoporous Materials, 2016, 235, 42-49.	4.4	21
22	Entrapping of Cs and Sr in heat-treated zeolite matrices. Journal of Nuclear Materials, 2013, 435, 196-201.	2.7	19
23	Evaluation of the surfactant/phillipsite composites as carriers for diclofenac sodium. Journal of Molecular Liquids, 2016, 222, 711-716.	4.9	16
24	Surface modified natural zeolites (SMNZs) as nanocomposite versatile materials for health and environment. Colloids and Surfaces B: Biointerfaces, 2019, 182, 110380.	5.0	16
25	New insights on pressure, temperature, and chemical stability of CsAlSi5O12, a potential host for nuclear waste. Physics and Chemistry of Minerals, 2016, 43, 639-647.	0.8	15
26	Comparative ion-exchange characterization of zeolitic and clayey materials for pedotechnical applicationsâ€"Part 1: interaction with noxious cations. Journal of Porous Materials, 2007, 14, 349-356.	2.6	13
27	Surface interaction of humic acids with natural and synthetic phillipsite. Journal of Porous Materials, 2015, 22, 501-509.	2.6	13
28	Surface-modified phillipsite-rich tuff from the Campania region (southern Italy) as a promising drug carrier: An ibuprofen sodium salt trial. American Mineralogist, 2018, 103, 700-710.	1.9	13
29	The combined use of steam-treated bentonites and natural zeolites in the oenological refining process. Mineralogical Magazine, 2016, 80, 347-362.	1.4	12
30	Data processing of cation exchange equilibria in zeolites: a modified approach. Studies in Surface Science and Catalysis, 2005, 155, 129-140.	1.5	11
31	Ion exchange kinetics and thermodynamics of hydrosodalite, a narrow pore zeolite. Journal of Porous Materials, 2014, 21, 643-651.	2.6	11
32	The effect of digestive activity of pig gastro-intestinal tract on zeolite-rich rocks: An in vitro study. Microporous and Mesoporous Materials, 2016, 225, 133-136.	4.4	11
33	Use of screen glass and polishing sludge in waste-based expanded aggregates for resource-saving lightweight concrete. Journal of Cleaner Production, 2022, 332, 130089.	9.3	10
34	Chemical modification of activated carbon surface with iron functional groups for efficient separation of vanadium: batch and column study. Research on Chemical Intermediates, 2017, 43, 6553-6570.	2.7	9
35	New data on Cu-exchanged phillipsite: a multi-methodological study. Physics and Chemistry of Minerals, 2015, 42, 723-733.	0.8	8
36	Surface Modified Phillipsite as a Potential Carrier for NSAIDs Release. Advanced Science Letters, 2017, 23, 5941-5943.	0.2	8

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37	Properties of zeolitized tuff/organic matter aggregates relevant for their use in pedotechnique. III: organic matter stability and exchange properties. Studies in Surface Science and Catalysis, 2007, 170, 2141-2146.	1.5	7
38	Application of Surfactant Modified Natural Zeolites for the Removal of Salicylic Acidâ€"A Contaminant of Emerging Concern. Materials, 2021, 14, 7728.	2.9	7
39	Ion exchange equilibria in a synthetic merlinoite. Studies in Surface Science and Catalysis, 2004, 154, 1920-1928.	1.5	6
40	Modeling pedogenization of zeolitized tuffs. II: medium-term weathering of phlegraean yellow tuff and red tuff with black scoriae by water and humic acids. Studies in Surface Science and Catalysis, 2007, 170, 2092-2097.	1.5	6
41	Cation selectivity of a Ca2+ pre-exchanged clinoptilolite tuff. Studies in Surface Science and Catalysis, 2007, , 2128-2133.	1.5	5
42	Comparative ion-exchange characterization of zeolitic and clayey materials for pedotechnical applicationsâ€"Part 2: interaction with nutrient cations. Journal of Porous Materials, 2009, 16, 667-673.	2.6	5
43	Ba and Co Removal from Water by Elution Through Fixed Beds of Phillipsite- and/or Chabazite-Rich Tuffs. Separation Science and Technology, 2003, 38, 2221-2236.	2.5	4
44	An unconventional method for the recovery of caustic soda from spent Al-rich pickling solutions. Journal of Environmental Management, 2011, 92, 1821-1827.	7.8	4
45	Surface modification of zeolites for environmental applications. , 2019, , 57-85.		4
46	Adsorption of Amoxicillin onto Organo-Modified Zeolitic Tuff. Advanced Science Letters, 2017, 23, 5944-5947.	0.2	4
47	On the Use of Nonsteroidal Anti-Inflammatory Drugs as Rheology Modifiers for Surfactant Solutions. Journal of Pharmaceutical Sciences, 2017, 106, 3410-3412.	3.3	3
48	Properties of zeolitized tuff/organic matter aggregates relevant for their use in pedotechnique. IIb: Structural characterization with emphasis on surface and porosity properties. Studies in Surface Science and Catalysis, 2008, , 517-520.	1.5	2
49	Chabazite from Campanian Ignimbrite Tuff as a Potential and Sustainable Remediation Agent for the Removal of Emerging Contaminants from Water. Sustainability, 2022, 14, 725.	3.2	2
50	Ion exchange behaviour of two synthetic phillipsite-like phases. Studies in Surface Science and Catalysis, 2002, 142, 1841-1848.	1.5	1
51	Embedment of Methylene Blue in natural and synthetic phillipsite. Clay Minerals, 2015, 50, 23-30.	0.6	1
52	Thermodilatometric Study of the Decay of Zeolite-Bearing Building Materials. Materials, 2021, 14, 3551.	2.9	1
53	Kinetics of the Ba2+/Na+ exchange on a mixed phillipsite-chabazite-rich tuff. Studies in Surface Science and Catalysis, 2005, 155, 451-459.	1.5	0
54	Solidification of Cdâ€"bearing zeolitic tuff by reaction with lime. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2012, 47, 228-236.	1.7	0