Gloria Berlier

List of Publications by Year
in descending order

162 papers	7,759 citations	53794 45 h-index	58581 82 g-index
167 all docs	167 docs citations	167 times ranked	8843 citing authors

#	Article	IF	Citations
1	Design of Folic Acidâ€Conjugated Nanoparticles for Drug Targeting. Journal of Pharmaceutical Sciences, 2000, 89, 1452-1464.	3.3	472
2	Hyaluronic acid for anticancer drug and nucleic acid delivery. Advanced Drug Delivery Reviews, 2016, 97, 204-236.	13.7	468
3	Methane to Methanol: Structureâ€“Activity Relationships for Cu-CHA. Journal of the American Chemical Society, 2017, 139, 14961-14975.	13.7	277
4	The Cu-CHA deNO_{<i>x</i>} Catalyst in Action: Temperature-Dependent NH₃-Assisted Selective Catalytic Reduction Monitored by Operando XAS and XES. Journal of the American Chemical Society, 2016, 138, 12025-12028.	13.7	243
5	Structure and nuclearity of active sites in Fe-zeolites: comparison with iron sites in enzymes and homogeneous catalysts. Physical Chemistry Chemical Physics, 2007, 9, 3483.	2.8	226
6	Preparation, characterization, cytotoxicity and pharmacokinetics of liposomes containing lipophilic gemcitabine prodrugs. Journal of Controlled Release, 2004, 100, 331-346.	9.9	212
7	Quantification of BrÃ¸nsted Acid Sites in Microporous Catalysts by a Combined FTIR and NH₃-TPD Study. Journal of Physical Chemistry C, 2008, 112, 7193-7200.	3.1	177
8	The Nuclearity of the Active Site for Methane to Methanol Conversion in Cu-Mordenite: A Quantitative Assessment. Journal of the American Chemical Society, 2018, 140, 15270-15278.	13.7	177
9	Determination of the oxidation and coordination state of copper on different Cu-based catalysts by XANES spectroscopy in situ or in operando conditions. Physical Chemistry Chemical Physics, 2003, 5, 4502-4509.	2.8	172
10	Evolution of Extraframework Iron Species in Fe Silicalite. Journal of Catalysis, 2002, 208, 64-82.	6.2	170
11	Composition-driven Cu-speciation and reducibility in Cu-CHA zeolite catalysts: a multivariate XAS/FTIR approach to complexity. Chemical Science, 2017, 8, 6836-6851.	7.4	163
12	Thermal Reduction of Cu2+â^'Mordenite and Re-oxidation upon Interaction with H2O, O2, and NO. Journal of Physical Chemistry B, 2003, 107, 7036-7044.	2.6	150
13	Lipoplexes Targeting the CD44 Hyaluronic Acid Receptor for Efficient Transfection of Breast Cancer Cells. Molecular Pharmaceutics, 2009, 6, 1062-1073.	4.6	139
14	Mesoporous silica as topical nanocarriers for quercetin: characterization and in vitro studies. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 89, 116-125.	4.3	128
15	Hyaluronic acid-coated liposomes for active targeting of gemcitabine. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 85, 373-380.	4.3	123
16	High Zn/Al ratios enhance dehydrogenation vs hydrogen transfer reactions of Zn-ZSM-5 catalytic systems in methanol conversion to aromatics. Journal of Catalysis, 2018, 362, 146-163.	6.2	120
17	Hyaluronic Acid Conjugates as Vectors for the Active Targeting of Drugs, Genes and Nanocomposites in Cancer Treatment. Molecules, 2014, 19, 3193-3230.	3.8	112
18	Structure and Reactivity of Oxygen-Bridged Diamino Dicopper(II) Complexes in Cu-Ion-Exchanged Chabazite Catalyst for NH₃-Mediated Selective Catalytic Reduction. Journal of the American Chemical Society, 2020, 142, 15884-15896.	13.7	110

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19	Encapsulation of gemcitabine lipophilic derivatives into polycyanoacrylate nanospheres and nanocapsules. International Journal of Pharmaceutics, 2007, 344, 71-77.	5.2	102
20	An in situ temperature dependent IR, EPR and high resolution XANES study on the NO/Cu+â€"ZSM-5 interaction. Chemical Physics Letters, 2002, 363, 389-396.	2.6	97
21	Structure of Homoleptic CuI(CO)3 Cations in CuI-Exchanged ZSM-5 Zeolite: An X-ray Absorption Study. Angewandte Chemie - International Edition, 2000, 39, 2138-2141.	13.8	93
22	Revisiting the Nature of the Acidity in Chabazite-Related Silicoaluminophosphates:â€‰ Combined FTIR and29Si MAS NMR Study. Journal of Physical Chemistry C, 2007, 111, 330-339.	3.1	92
23	Hyaluronic Acid-Modified DOTAP/DOPE Liposomes for the Targeted Delivery of Anti-Telomerase siRNA to CD44-Expressing Lung Cancer Cells. Oligonucleotides, 2009, 19, 103-116.	2.7	90
24	The role of Al in the structure and reactivity of iron centers in Fe-ZSM-5-based catalysts: a statistically based infrared study. Journal of Catalysis, 2003, 215, 264-270.	6.2	88
25	Stabilization of quercetin flavonoid in MCM-41 mesoporous silica: positive effect of surface functionalization. Journal of Colloid and Interface Science, 2013, 393, 109-118.	9.4	84
26	Interaction of N2, CO and NO with Cu-exchanged ETS-10: a compared FTIR study with other Cu-zeolites and with dispersed Cu2O. Catalysis Today, 2001, 70, 91-105.	4.4	82
27	Alumina-Supported Copper Chloride. Journal of Catalysis, 2001, 202, 279-295.	6.2	81
28	Thermoresponsive mesoporous silica nanoparticles as a carrier for skin delivery of quercetin. International Journal of Pharmaceutics, 2016, 511, 446-454.	5.2	79
29	Activity and deactivation of Fe-MFI catalysts for benzene hydroxylation to phenol by N2O. Journal of Catalysis, 2003, 214, 169-178.	6.2	77
30	Targeting gemcitabine containing liposomes to CD44 expressing pancreatic adenocarcinoma cells causes an increase in the antitumoral activity. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 1396-1404.	2.6	65
31	Ethene oligomerization on nickel microporous and mesoporous-supported catalysts: Investigation of the active sites. Catalysis Today, 2018, 299, 154-163.	4.4	63
32	FTIR and UVâ€"Vis characterization of Fe-Silicalite. Journal of Molecular Catalysis A, 2000, 158, 107-114.	4.8	61
33	Hybrid drug carriers with temperature-controlled onâ€"off release: A simple and reliable synthesis of PNIPAM-functionalized mesoporous silica nanoparticles. Reactive and Functional Polymers, 2016, 98, 31-37.	4.1	61
34	Metal-organic framework mixed-matrix disks: Versatile supports for automated solid-phase extraction prior to chromatographic separation. Journal of Chromatography A, 2017, 1488, 1-9.	3.7	61
35	Evolution of active sites during selective oxidation of methane to methanol over Cu-CHA and Cu-MOR zeolites as monitored by operando XAS. Catalysis Today, 2019, 333, 17-27.	4.4	61
36	Enhanced CO₂ adsorption capacity of amine-functionalized MIL-100(Cr) metalâ€"organic frameworks. CrystEngComm, 2015, 17, 430-437.	2.6	60

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37	MCM-41 as a useful vector for rutin topical formulations: Synthesis, characterization and testing. International Journal of Pharmaceutics, 2013, 457, 177-186.	5.2	59
38	Co-ordination and oxidation changes undergone by iron species in Fe-silicalite upon template removal, activation and interaction with N2O: an in situ X-ray absorption study. Microchemical Journal, 2002, 71, 101-116.	4.5	58
39	Dynamic CuII/CuI speciation in Cu-CHA catalysts by in situ Diffuse Reflectance UVâ€“vis-NIR spectroscopy. Applied Catalysis A: General, 2019, 578, 1-9.	4.3	57
40	Evolution of Extraframework Iron Species in Fe Silicalite. Journal of Catalysis, 2002, 208, 83-88.	6.2	55
41	Influence of surface functionalization on the hydrophilic character of mesoporous silica nanoparticles. Physical Chemistry Chemical Physics, 2015, 17, 13882-13894.	2.8	54
42	Fluorescence and electron microscopy to visualize the intracellular fate of nanoparticles for drug delivery. European Journal of Histochemistry, 2016, 60, 2640.	1.5	53
43	Investigating the Low Temperature Formation of Cu^{II}â€(N,O) Species on Cuâ€CHA Zeolites for the Selective Catalytic Reduction of NO_x. Chemistry - A European Journal, 2018, 24, 12044-12053.	3.3	53
44	Description of a flexible cell for in situ X-ray and far-IR characterization of the surface of powdered materials. Nuclear Instruments & Methods in Physics Research B, 2003, 200, 196-201.	1.4	50
45	Location and activity of VOx species on TiO2 particles for NH3-SCR catalysis. Applied Catalysis B: Environmental, 2020, 278, 119337.	20.2	50
46	Recent studies on the delivery of hydrophilic drugs in nanoparticulate systems. Journal of Drug Delivery Science and Technology, 2016, 32, 298-312.	3.0	48
47	Photochemical and antioxidant properties of gamma-oryzanol in beta-cyclodextrin-based nanosponges. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2013, 75, 69-76.	1.6	46
48	In Situ Characterization of Catalysts Active in Partial Oxidations: TS-1 and Fe-MFI Case Studies. Topics in Catalysis, 2002, 21, 67-78.	2.8	45
49	Zeolite Surface Methoxy Groups as Key Intermediates in the Stepwise Conversion of Methane to Methanol. ChemCatChem, 2019, 11, 5022-5026.	3.7	45
50	Nitrateâ€“nitrite equilibrium in the reaction of NO with a Cu-CHA catalyst for NH₃-SCR. Catalysis Science and Technology, 2016, 6, 8314-8324.	4.1	44
51	New precursor for the post-synthesis preparation of Fe-ZSM-5 zeolites with low iron content. Catalysis Letters, 2005, 103, 33-41.	2.6	42
52	Temperature-dependent dynamics of NH₃-derived Cu species in the Cu-CHA SCR catalyst. Reaction Chemistry and Engineering, 2019, 4, 1067-1080.	3.7	42
53	Synthesis of poly(<i>N</i>â€isopropylacrylamide) by distillation precipitation polymerization and quantitative grafting on mesoporous silica. Journal of Applied Polymer Science, 2016, 133, .	2.6	41
54	Elucidating the Nature and Reactivity of Ti Ions Incorporated in the Framework of AlPO-5 Molecular Sieves. New Evidence from³¹P HYSCORE Spectroscopy. Journal of the American Chemical Society, 2011, 133, 7340-7343.	13.7	40

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55	Coordination and oxidation changes undergone by iron species in Fe-MCM-22 upon template removal, activation and redâ€“ox treatments: an in situ IR, EXAFS and XANES study. Journal of Catalysis, 2005, 229, 45-54.	6.2	36
56	Supramolecular Organization and siRNA Binding of Hyaluronic Acid-Coated Lipoplexes for Targeted Delivery to the CD44 Receptor. Langmuir, 2015, 31, 11186-11194.	3.5	36
57	Biological characterization of folic acid-conjugated poly(H2NPEGCA-co-HDCA) nanoparticles in cellular models. Journal of Drug Targeting, 2007, 15, 146-153.	4.4	35
58	Supramolecular functionalization of carbon nano-onions with hyaluronic acid-phospholipid conjugates for selective targeting of cancer cells. Colloids and Surfaces B: Biointerfaces, 2020, 188, 110779.	5.0	35
59	EXAFS wavelet transform analysis of Cu-MOR zeolites for the direct methane to methanol conversion. Physical Chemistry Chemical Physics, 2020, 22, 18950-18963.	2.8	35
60	Catalytic activity of Fe ions in iron-based crystalline and amorphous systems: role of dispersion, coordinative unsaturation and Al content. Journal of Catalysis, 2005, 229, 127-135.	6.2	34
61	Characterization of Fe sites in Fe-zeolites by FTIR spectroscopy of adsorbed NO: are the spectra obtained in static vacuum and dynamic flow set-ups comparable?. Physical Chemistry Chemical Physics, 2010, 12, 358-364.	2.8	34
62	Functionalization of mesoporous MCM-41 with aminopropyl groups by co-condensation and grafting: a physico-chemical characterization. Research on Chemical Intermediates, 2012, 38, 785-794.	2.7	33
63	Hyaluronated mesoporous silica nanoparticles for active targeting: influence of conjugation method and hyaluronic acid molecular weight on the nanovector properties. Journal of Colloid and Interface Science, 2018, 516, 484-497.	9.4	33
64	Hyaluronic Acidâ€“Decorated Liposomes as Innovative Targeted Delivery System for Lung Fibrotic Cells. Molecules, 2019, 24, 3291.	3.8	33
65	NH3 and O₂interaction with tetrahedral Ti³⁺ions isomorphously substituted in the framework of TiAlPO-5. A combined pulse EPR, pulse ENDOR, UV-Vis and FT-IR study. Physical Chemistry Chemical Physics, 2012, 14, 987-995.	2.8	32
66	Thermoresponsive copolymer-grafted SBA-15 porous silica particles for temperature-triggered topical delivery systems. EXPRESS Polymer Letters, 2017, 11, 96-105.	2.1	32
67	Mesoporous silica as a carrier for topical application: the Trolox case study. Physical Chemistry Chemical Physics, 2012, 14, 11318.	2.8	31
68	Poly(NIPAM- co -MPS)-grafted multimodal porous silica nanoparticles as reverse thermoresponsive drug delivery system. Asian Journal of Pharmaceutical Sciences, 2017, 12, 279-284.	9.1	31
69	IR spectroscopy of adsorbed NO as a useful tool for the characterisation of low concentrated Fe-silicalite catalysts. Journal of Molecular Catalysis A, 2002, 182-183, 359-366.	4.8	30
70	Controlled postâ€synthesis grafting of thermoresponsive poly(<i>N</i>â€isopropylacrylamide) on mesoporous silica nanoparticles. Polymers for Advanced Technologies, 2015, 26, 1070-1075.	3.2	30
71	Delivery of Gemcitabine Prodrugs Employing Mesoporous Silica Nanoparticles. Molecules, 2016, 21, 522.	3.8	30
72	Evidence of Mixedâ€Ligand Complexes in Cuâ€'CHA by Reaction of Cu Nitrates with NO/NH₃ at Low Temperature. ChemCatChem, 2019, 11, 3828-3838.	3.7	30

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73	Novel cationic liposome formulation for the delivery of an oligonucleotide decoy to NF-Î°B into activated macrophages. European Journal of Pharmaceutics and Biopharmaceutics, 2008, 70, 7-18.	4.3	29
74	Efficient Green Protocols for Preparation of Highly Functionalized Î²-Cyclodextrin-Grafted Silica. ACS Sustainable Chemistry and Engineering, 2014, 2, 2595-2603.	6.7	29
75	Liposomal Nitrooxy-Doxorubicin: One Step over Caelyx in Drug-Resistant Human Cancer Cells. Molecular Pharmaceutics, 2014, 11, 3068-3079.	4.6	29
76	Understanding and Optimizing the Performance of Cuâ€FER for The Direct CH₄ to CH₃OH Conversion. ChemCatChem, 2019, 11, 621-627.	3.7	29
77	Surface Properties of ZnS Nanoparticles: A Combined DFT and Experimental Study. Journal of Physical Chemistry C, 2014, 118, 23853-23862.	3.1	28
78	The Role of Isolated Sites in Heterogeneous Catalysis: Characterization and Modeling. International Journal of Molecular Sciences, 2001, 2, 167-182.	4.1	27
79	Synthesis, characterization and transfection activity of new saturated and unsaturated cationic lipids. Il Farmaco, 2004, 59, 869-878.	0.9	27
80	The interactions of methyl tert-butyl ether on high silica zeolites: a combined experimental and computational study. Physical Chemistry Chemical Physics, 2013, 15, 13275.	2.8	27
81	Unravelling the structure and reactivity of supported Ni particles in Ni-CeZrO2 catalysts. Applied Catalysis B: Environmental, 2013, 138-139, 353-361.	20.2	27
82	Cyclodextrinâ€Grafted Silicaâ€Supported Pd Nanoparticles: An Efficient and Versatile Catalyst for Ligandâ€Free Câ^'C Coupling and Hydrogenation. ChemCatChem, 2016, 8, 1176-1184.	3.7	27
83	The Role of Silanols in the Interactions between Methyl <i>tert</i>-Butyl Ether and High-Silica Faujasite Y: An Infrared Spectroscopy and Computational Model Study. Journal of Physical Chemistry C, 2012, 116, 6943-6952.	3.1	26
84	Incorporation of Ni into HZSM-5 zeolites: Effects of zeolite morphology and incorporation procedure. Microporous and Mesoporous Materials, 2016, 229, 76-82.	4.4	26
85	The impact of reaction conditions and material composition on the stepwise methane to methanol conversion over Cu-MOR: An operando XAS study. Catalysis Today, 2019, 336, 99-108.	4.4	26
86	Anchoring Fe Ions to Amorphous and Crystalline Oxides: A Means To Tune the Degree of Fe Coordination. ChemPhysChem, 2003, 4, 1073-1078.	2.1	25
87	Cell uptake and intracellular fate of phospholipidic manganese-based nanoparticles. International Journal of Pharmaceutics, 2016, 508, 83-91.	5.2	25
88	Electronic and Geometrical Structure of Zn⁺ Ions Stabilized in the Porous Structure of Zn-Loaded Zeolite H-ZSM-5: A Multifrequency CW and Pulse EPR Study. Journal of Physical Chemistry C, 2017, 121, 14238-14245.	3.1	25
89	Strategies to Obtain Encapsulation and Controlled Release of Pentamidine in Mesoporous Silica Nanoparticles. Pharmaceutics, 2018, 10, 195.	4.5	25
90	Preparation and characterization of organo-functionalized silicas for bilirubin removal. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 464, 65-77.	4.7	24

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91	Characterisation and catalytic activity in de-NOx reactions of Fe-ZSM-5 zeolites prepared via ferric oxalate precursor. Applied Catalysis B: Environmental, 2008, 84, 204-213.	20.2	23
92	Spectroscopic characterization of CuO /TiO2â€“ZrO2 catalysts prepared by a-step solâ€“gel method. Applied Catalysis A: General, 2015, 489, 218-225.	4.3	23
93	Structure of the Catalytic Active Sites in Vanadium-Doped Aluminophosphate Microporous Materials. New Evidence from Spin Density Studies. Journal of Physical Chemistry C, 2014, 118, 19879-19888.	3.1	22
94	Ionosilicas as efficient adsorbents for the separation of diclofenac and sulindac from aqueous media. New Journal of Chemistry, 2016, 40, 7620-7626.	2.8	22
95	Investigating the Interaction of Water Vapour with Aminopropyl Groups on the Surface of Mesoporous Silica Nanoparticles. ChemPhysChem, 2017, 18, 839-849.	2.1	21
96	Uptake and intracellular distribution of different types of nanoparticles in primary human myoblasts and myotubes. International Journal of Pharmaceutics, 2019, 560, 347-356.	5.2	21
97	Improving the electrocatalytic performance of sustainable Co/carbon materials for the oxygen evolution reaction by ultrasound and microwave assisted synthesis. Sustainable Energy and Fuels, 2021, 5, 720-731.	4.9	21
98	Behavior of Extraframework Fe Sites in MFI and MCM-22 Zeolites upon Interaction with N2O and NO. Journal of Physical Chemistry B, 2005, 109, 22377-22385.	2.6	20
99	Polycarbonylic and polynitrosylic species in CuI-exchanged ZSM-5, Î², mordenite and Y zeolites: comparison with homogeneous complexes. Studies in Surface Science and Catalysis, 2000, , 2915-2920.	1.5	18
100	In situ synchrotron small-angle X-ray scattering study of MCM-41 crystallisation using Gemini surfactants. Catalysis Today, 2007, 126, 203-210.	4.4	18
101	Spectroscopic investigation into the nature of the active sites for epoxidation reactions using vanadium-based aluminophosphate catalysts. Microporous and Mesoporous Materials, 2011, 138, 167-175.	4.4	18
102	Structural and spectroscopic investigation of ZnS nanoparticles grown in quaternary reverse micelles. Journal of Colloid and Interface Science, 2011, 354, 511-516.	9.4	18
103	Zeolite morphology and catalyst performance: conversion of methanol to hydrocarbons over offretite. Catalysis Science and Technology, 2017, 7, 5435-5447.	4.1	18
104	Probing the BrÃ¸nsted and Lewis acidity of Fe-silicalite by FTIR spectroscopy of H2 adsorbed at 20 K: Evidences for the formation of Fe3+/H2 and Fe2+/H2 molecular adducts. Journal of Catalysis, 2006, 238, 243-249.	6.2	17
105	Uptake and intracellular fate of biocompatible nanocarriers in cycling and noncycling cells. Nanomedicine, 2019, 14, 301-316.	3.3	17
106	Temperature-programmed reduction with NO as a characterization of active Cu in Cu-CHA catalysts for NH₃-SCR. Catalysis Science and Technology, 2019, 9, 2608-2619.	4.1	17
107	Effects of the Molecular Weight of Hyaluronic Acid in a Carbon Nanotube Drug Delivery Conjugate. Frontiers in Chemistry, 2020, 8, 578008.	3.6	17
108	Nanomedicine for Gene Delivery and Drug Repurposing in the Treatment of Muscular Dystrophies. Pharmaceutics, 2021, 13, 278.	4.5	17

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109	IR spectra of ozone adsorbed on MgO. Physical Chemistry Chemical Physics, 2002, 4, 3872-3875.	2.8	16
110	Sonochemically-Promoted Preparation of Silica-Anchored Cyclodextrin Derivatives for Efficient Copper Catalysis. Molecules, 2019, 24, 2490.	3.8	16
111	Comparing the Nature of Active Sites in Cu-loaded SAPO-34 and SSZ-13 for the Direct Conversion of Methane to Methanol. Catalysts, 2020, 10, 191.	3.5	16
112	Interactions of Toluene and <i>n</i>-Hexane on High Silica Zeolites: An Experimental and Computational Model Study.. Journal of Physical Chemistry C, 2015, 119, 24875-24886.	3.1	15
113	The interaction of H2O2 with TiAlPO-5 molecular sieves: probing the catalytic potential of framework substituted Ti ions. Physical Chemistry Chemical Physics, 2013, 15, 11099.	2.8	14
114	Investigating the role of Cu-oxo species in Cu-nitrate formation over Cu-CHA catalysts. Physical Chemistry Chemical Physics, 2021, 23, 18322-18337.	2.8	14
115	Extracellular Matrix Composition Modulates the Responsiveness of Differentiated and Stem Pancreatic Cancer Cells to Lipophilic Derivate of Gemcitabine. International Journal of Molecular Sciences, 2021, 22, 29.	4.1	14
116	Hyaluronated and PEGylated Liposomes as a Potential Drug-Delivery Strategy to Specifically Target Liver Cancer and Inflammatory Cells. Molecules, 2022, 27, 1062.	3.8	14
117	Paramagnetic nitrosyliron adducts in pentasilic zeolites: an EPR study. Research on Chemical Intermediates, 2003, 29, 805-816.	2.7	13
118	Architecture of the Ti(IV) Sites in TiAlPO-5 Determined Using Ti K-Edge X-ray Absorption and X-ray Emission Spectroscopies. Journal of Physical Chemistry C, 2014, 118, 11745-11751.	3.1	13
119	Pentamidine-Loaded Lipid and Polymer Nanocarriers as Tunable Anticancer Drug Delivery Systems. Journal of Pharmaceutical Sciences, 2020, 109, 1297-1302.	3.3	13
120	Morphological and Structural Features of Activated Iron Silicalites:Â A129Xe-NMR and EPR Investigation. Journal of Physical Chemistry B, 2003, 107, 8922-8928.	2.6	12
121	Evidence for controlled insertion of Fe ions in the framework of clinoptilolite natural zeolites. Microporous and Mesoporous Materials, 2013, 167, 76-81.	4.4	12
122	Effect of Multimodal Pore Channels on Cargo Release from Mesoporous Silica Nanoparticles. Journal of Nanomaterials, 2016, 2016, 1-7.	2.7	12
123	Nanotechnology Addressing Cutaneous Melanoma: The Italian Landscape. Pharmaceutics, 2021, 13, 1617.	4.5	11
124	Coexistence of framework Co2+ and non framework CoO in CoAPO-5. Microporous and Mesoporous Materials, 2009, 123, 91-99.	4.4	10
125	Immobilisation of Zinc porphyrins on mesoporous SBA-15: Effect of bulky substituents on the surface interaction. Microporous and Mesoporous Materials, 2014, 193, 103-110.	4.4	10
126	In Situ Investigation of the Deactivation Mechanism in Ni-ZSM5 During Ethylene Oligomerization. Topics in Catalysis, 2017, 60, 1664-1672.	2.8	10

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127	SO₂ Poisoning of Cu-CHA deNO_{<i>x</i>} Catalyst: The Most Vulnerable Cu Species Identified by X-ray Absorption Spectroscopy. Jacs Au, 2022, 2, 787-792.	7.9	10
128	Assessing the Influence of Zeolite Composition on Oxygen-Bridged Diamino Dicopper(II) Complexes in Cu-CHA DeNO_{<i>x</i>} Catalysts by Machine Learning-Assisted X-ray Absorption Spectroscopy. Journal of Physical Chemistry Letters, 2022, 13, 6164-6170.	4.6	10
129	Improving the tolerance to alkali and alkaline earth metal chlorides of WO3 and Nb2O5 promoted V2O5/TiO2 catalysts for the NH3-SCR reaction. Fuel, 2022, 328, 125262.	6.4	10
130	The role of isolated active centres in high-performance bioinspired selective oxidation catalysts. Chemical Communications, 2010, 46, 2805.	4.1	9
131	Cu-Exchanged Ferrierite Zeolite for the Direct CH4 to CH3OH Conversion: Insights on Cu Speciation from X-Ray Absorption Spectroscopy. Topics in Catalysis, 2019, 62, 712-723.	2.8	9
132	Liposomes Loaded with Everolimus and Coated with Hyaluronic Acid: A Promising Approach for Lung Fibrosis. International Journal of Molecular Sciences, 2021, 22, 7743.	4.1	9
133	The protective effect of the mesoporous host on the photo oxidation of fluorescent guests: a UV-Vis spectroscopy study. Physical Chemistry Chemical Physics, 2014, 16, 12172-12177.	2.8	8
134	[M]-CAL-2: MeAPSO-34-like molecular sieves using a lamellar aluminophosphate as precursor. Microporous and Mesoporous Materials, 2014, 187, 135-144.	4.4	8
135	Nanotechnological approaches for pentamidine delivery. Drug Delivery and Translational Research, 2022, 12, 1911-1927.	5.8	8
136	Synthesis and characterisation of small ZnS particles. Research on Chemical Intermediates, 2006, 32, 683-693.	2.7	7
137	Effect of Post-Synthesis Treatments on the Properties of ZnS Nanoparticles: An Experimental and Computational Study. Oil and Gas Science and Technology, 2015, 70, 817-829.	1.4	7
138	Properties of Iron-Modified-by-Silver Supported on Mordenite as Catalysts for NOx Reduction. Catalysts, 2020, 10, 1156.	3.5	7
139	In situ X-ray absorption study of Cu species in Cu-CHA catalysts for NH3-SCR during temperature-programmed reduction in NO/NH3. Research on Chemical Intermediates, 2021, 47, 357-375.	2.7	7
140	FTIR Study of Cobalt Containing Aluminophosphates with Chabasite Like Structure by Using CO and NO as Molecular Probes. Catalysis Letters, 2009, 133, 27-32.	2.6	6
141	Electronic Structure of Ti³⁺â€"Ethylene Complexes in Microporous Aluminophosphate Materials. A Combined EPR and DFT Study Elucidating the Role of SOMO Orbitals in Metalâ€"Olefin Ï€ Complexes. Journal of Physical Chemistry C, 2015, 119, 26046-26055.	3.1	6
142	Exploiting Lipid and Polymer Nanocarriers to Improve the Anticancer Sonodynamic Activity of Chlorophyll. Pharmaceutics, 2020, 12, 605.	4.5	6
143	Copper(0) nanoparticle catalyzed <i>Z</i>â€Selective Transfer Semihydrogenation of Internal Alkynes. Advanced Synthesis and Catalysis, 2021, 363, 2850-2860.	4.3	6
144	Developing Actively Targeted Nanoparticles to Fight Cancer: Focus on Italian Research. Pharmaceutics, 2021, 13, 1538.	4.5	6

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145	Characterization of Metal Centers in Zeolites for Partial Oxidation Reactions. Structure and Bonding, 2018, , 91-154.	1.0	5
146	Fe Speciation in Iron Modified Natural Zeolites as Sustainable Environmental Catalysts. Catalysts, 2019, 9, 866.	3.5	5
147	Iron exchanged natural mordenite: UV-Vis diffuse reflectance and MÃ¶ssbauer spectroscopy characterisation. International Journal of Nanotechnology, 2016, 13, 112.	0.2	4
148	Mesoporous nanocarriers for the loading and stabilization of 5-aminolevulinic acid. Journal of Nanoparticle Research, 2016, 18, 1.	1.9	4
149	Experimental and first-principles IR characterization of quercetin adsorbed on a silica surface. Theoretical Chemistry Accounts, 2016, 135, 1.	1.4	4
150	Hydrothermalâ€“electrochemical deposition of semiconductor thin films: the case of CuIn(Al)Se2 compound. Journal of Materials Science: Materials in Electronics, 2017, 28, 15596-15604.	2.2	4
151	Evaluation of the Bactericidal Activity of a Hyaluronic Acid-Vehicled Clarithromycin Antibiotic Mixture by Confocal Laser Scanning Microscopy. Applied Sciences (Switzerland), 2020, 10, 761.	2.5	4
152	Growth of hydrothermally stable meso-porous silica structure interconnected around micro-porous zeolite crystals. Materials Characterization, 2011, 62, 1166-1172.	4.4	3
153	Î²-Cyclodextrin-Silica Hybrid: A Spatially Controllable Anchoring Strategy for Cu(II)/Cu(I) Complex Immobilization. Catalysts, 2020, 10, 1118.	3.5	3
154	Hydroxylation of benzene to phenol with nitrous oxide on Fe-silicalites. Studies in Surface Science and Catalysis, 2000, , 1679-1684.	1.5	2
155	Migration of Ti and Fe from Framework to Extraframework Positions in Zeolitic Materials: Spectroscopic Studies. , 2001, , 135-147.		2
156	In situ Characterization of Catalysts Active in Partial Oxidations: TS-1 and Fe-MFI Case Studies.. ChemInform, 2003, 34, no.	0.0	1
157	Characterisation and possible hazard of an atypical asbestiform sepiolite associated with aliphatic hydrocarbons from Sassello, Ligurian Apennines, Italy. Mineralogical Magazine, 2019, 83, 209-222.	1.4	1
158	Evaluation of the Bactericidal Activity of a Hyaluronic Acid-Vehicled Clarithromycin Antibiotic Mixture by Confocal Laser Scanning Microscopy. Applied Sciences (Switzerland), 2020, 10, 761.	2.5	1
159	Solid Acid Microporous H-SAPO-34: From Early Studies to Perspectives. , 2007, , 604-622.		1
160	NO and N2O dynamics followed by FTIR over Fe-ZSM-5 with low iron content. Studies in Surface Science and Catalysis, 2007, , 1357-1361.	1.5	0
161	Reduction of nickel ions in mordenites with different SiO<inf>2</inf>/Al<inf>2</inf>O<inf>3</inf> molar ratios. , 2012, , .		0
162	Low Temperature Steam Reforming Catalysts for Enriched Methane Production. Green Energy and Technology, 2016, , 53-74.	0.6	0