Enrica Gianotti

List of Publications by Year
in descending order

90 papers	2,955 citations	147801 31 h-index	175258 52 g-index
92 all docs	92 docs citations	92 times ranked	3315 citing authors

#	Article	IF	Citations
1	Red Upconverter Nanocrystals Functionalized with Verteporfin for Photodynamic Therapy Triggered by Upconversion. International Journal of Molecular Sciences, 2022, 23, 6951.	4.1	2
2	Bifunctional hybrid organosiliceous catalysts for aldol condensation â€“ hydrogenation tandem reactions of furfural in continuous-flow reactor. Applied Catalysis A: General, 2022, 643, 118710.	4.3	4
3	Rational design of bifunctional hierarchical Pd/SAPO-5 for the synthesis of tetrahydrofuran derivatives from furfural. Journal of Catalysis, 2021, 397, 75-89.	6.2	7
4	Predicting the Conformation of Organic Catalysts Grafted on Silica Surfaces with Different Numbers of Tethering Chains: The Silicopodality Concept. Journal of Physical Chemistry C, 2021, 125, 21199-21210.	3.1	2
5	Adsorption Features of Various Inorganic Materials for the Drug Removal from Water and Synthetic Urine Medium: A Multi-Technique Time-Resolved In Situ Investigation. Materials, 2021, 14, 6196.	2.9	3
6	Mesoporous Silica Nanoparticles Functionalized with Amino Groups for Biomedical Applications. ChemistryOpen, 2021, 10, 1251-1259.	1.9	15
7	Verteporfin-Loaded Mesoporous Silica Nanoparticlesâ€™ Topical Applications Inhibit Mouse Melanoma Lymphangiogenesis and Micrometastasis In Vivo. International Journal of Molecular Sciences, 2021, 22, 13443.	4.1	6
8	Vis-NIR luminescent lanthanide-doped core-shell nanoparticles for imaging and photodynamic therapy. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 403, 112840.	3.9	4
9	The Significance of Metal Coordination in Imidazoleâ€Functionalized Metalâ€“Organic Frameworks for Carbon Dioxide Utilization. Chemistry - A European Journal, 2020, 26, 13606-13610.	3.3	5
10	Probing the Design Rationale of a Highâ€Performing Faujasitic Zeotype Engineered to have Hierarchical Porosity and Moderated Acidity. Angewandte Chemie, 2020, 132, 19729-19737.	2.0	2
11	Probing the Design Rationale of a Highâ€Performing Faujasitic Zeotype Engineered to have Hierarchical Porosity and Moderated Acidity. Angewandte Chemie - International Edition, 2020, 59, 19561-19569.	13.8	11
12	A smart use of biomass derivatives to template an <i>ad hoc</i> hierarchical SAPO-5 acid catalyst. RSC Advances, 2020, 10, 38578-38582.	3.6	0
13	Verteporfin-loaded mesoporous silica nanoparticles inhibit mouse melanoma proliferation in vitro and in vivo. Journal of Photochemistry and Photobiology B: Biology, 2019, 197, 111533.	3.8	28
14	Integrated Theoretical and Empirical Studies for Probing Substrateâ€“Framework Interactions in Hierarchical Catalysts. Chemistry - A European Journal, 2019, 25, 9938-9947.	3.3	7
15	Influence of Silicodactyly in the Preparation of Hybrid Materials. Molecules, 2019, 24, 848.	3.8	5
16	Acid properties of organosiliceous hybrid materials based on pendant (fluoro)aryl-sulfonic groups through a spectroscopic study with probe molecules. Catalysis Science and Technology, 2019, 9, 6308-6317.	4.1	1
17	Hybrid catalysts based on N-heterocyclic carbene anchored on hierarchical zeolites. RSC Advances, 2019, 9, 35336-35344.	3.6	5
18	Hierarchical SAPOâ€34 Architectures with Tailored Acid Sites using Sustainable Sugar Templates. ChemistryOpen, 2018, 7, 297-301.	1.9	19

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19	Mesoporous silica nanoparticles incorporating squaraine-based photosensitizers: a combined experimental and computational approach. Dalton Transactions, 2018, 47, 3038-3046.	3.3	24
20	In Situ FT-IR Characterization of CuZnZr/Ferrierite Hybrid Catalysts for One-Pot CO2-to-DME Conversion. Materials, 2018, 11, 2275.	2.9	28
21	Combined solid-state NMR, FT-IR and computational studies on layered and porous materials. Chemical Society Reviews, 2018, 47, 5684-5739.	38.1	123
22	Mesoporous Silica Scaffolds as Precursor to Drive the Formation of Hierarchical SAPOâ€34 with Tunable Acid Properties. Chemistry - A European Journal, 2017, 23, 9952-9961.	3.3	38
23	Verteporfin based silica nanoparticle for in vitro selective inhibition of human highly invasive melanoma cell proliferation. Journal of Photochemistry and Photobiology B: Biology, 2017, 167, 1-6.	3.8	39
24	Facile synthesis of NIR and Visible luminescent Sm 3+ doped lutetium oxide nanoparticles. Materials Research Bulletin, 2017, 86, 220-227.	5.2	8
25	Creating Accessible Active Sites in Hierarchical MFI Zeolites for Lowâ€Temperature Acid Catalysis. ChemCatChem, 2016, 8, 3161-3169.	3.7	30
26	Verteporfin based silica nanoplatform for photodynamic therapy. ChemistrySelect, 2016, 1, 127-131.	1.5	9
27	Unraveling the Decomposition Process of Lead(II) Acetate: Anhydrous Polymorphs, Hydrates, and Byproducts and Room Temperature Phosphorescence. Inorganic Chemistry, 2016, 55, 8576-8586.	4.0	38
28	Optimized Rhodamine B labeled mesoporous silica nanoparticles as fluorescent scaffolds for the immobilization of photosensitizers: a theranostic platform for optical imaging and photodynamic therapy. Physical Chemistry Chemical Physics, 2016, 18, 9042-9052.	2.8	35
29	Rose Bengal incorporated in mesostructured silica nanoparticles: structural characterization, theoretical modeling and singlet oxygen delivery. Physical Chemistry Chemical Physics, 2015, 17, 26804-26812.	2.8	57
30	Highly effective design strategy for the heterogenisation of chemo- and enantioselective organocatalysts. Catalysis Science and Technology, 2015, 5, 660-665.	4.1	16
31	Rationalising the role of solid-acid sites in the design of versatile single-site heterogeneous catalysts for targeted acid-catalysed transformations. Chemical Science, 2014, 5, 1810-1819.	7.4	38
32	NIR Persistent Luminescence of Lanthanide Ion-Doped Rare-Earth Oxycarbonates: The Effect of Dopants. ACS Applied Materials & Interfaces, 2014, 6, 17346-17351.	8.0	59
33	An Efficient Rose Bengal Based Nanoplatform for Photodynamic Therapy. Chemistry - A European Journal, 2014, 20, 10921-10925.	3.3	75
34	Role of Isolated Acid Sites and Influence of Pore Diameter in the Low-Temperature Dehydration of Ethanol. ACS Catalysis, 2014, 4, 4161-4169.	11.2	39
35	Designing bifunctional acidâ€“base mesoporous hybrid catalysts for cascade reactions. Catalysis Science and Technology, 2013, 3, 2677.	4.1	64
36	Investigating site-specific interactions and probing their role in modifying the acid-strength in framework architectures. Physical Chemistry Chemical Physics, 2013, 15, 13288.	2.8	15

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37	Toward Understanding the Catalytic Synergy in the Design of Bimetallic Molecular Sieves for Selective Aerobic Oxidations. Journal of the American Chemical Society, 2013, 135, 2915-2918.	13.7	41
38	Disentangling proteinâ€“silica interactions. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2012, 370, 1463-1477.	3.4	11
39	Strong Organic Bases as Building Blocks of Mesoporous Hybrid Catalysts for C-C Forming Bond Reactions. European Journal of Inorganic Chemistry, 2012, 2012, 5175-5185.	2.0	9
40	Ru_xPt_ySn_zcluster-derived nanoparticlecatalysts: spectroscopic investigation into the nature of active multinuclear single sites. Dalton Transactions, 2012, 41, 982-989.	3.3	15
41	Bright photoluminescent hybrid mesostructured silica nanoparticles. Physical Chemistry Chemical Physics, 2012, 14, 10015.	2.8	20
42	Hybrid organicâ€“inorganic catalytic mesoporous materials with proton sponges as building blocks. Physical Chemistry Chemical Physics, 2011, 13, 11702.	2.8	18
43	Photoactive Ru Complex Embedded in Mesostructured MCM-41 Nanoparticles. Journal of Fluorescence, 2011, 21, 901-909.	2.5	8
44	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
45	Engineering active sites for enhancing synergy in heterogeneous catalytic oxidations. Chemical Communications, 2011, 47, 517-519.	4.1	40
46	On the Compatibility Criteria for Protein Encapsulation inside Mesoporous Materials. ChemPhysChem, 2010, 11, 1757-1762.	2.1	12
47	Synergistic Behavior of Bimetallic Rhenium Cluster Catalysts: Spectroscopic Investigation into the Nature of the Active Site. Chemistry - A European Journal, 2010, 16, 8202-8209.	3.3	13
48	The role of isolated active centres in high-performance bioinspired selective oxidation catalysts. Chemical Communications, 2010, 46, 2805.	4.1	9
49	Coexistence of framework Co2+ and non framework Co0 in CoAPO-5. Microporous and Mesoporous Materials, 2009, 123, 91-99.	4.4	10
50	Photoactive Hybrid Nanomaterials: Indocyanine Immobilized in Mesoporous MCM-41 for â€œIn-Cellâ€• Bioimaging. ACS Applied Materials & Interfaces, 2009, 1, 678-687.	8.0	30
51	New Catalytic Liquid-Phase Ammoxidation Approach to the Preparation of Niacin (Vitamin) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	3.5	54
52	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
53	Titaniumâ€“Silica Catalysts for the Production of Fully Epoxidised Fatty Acid Methyl Esters. Catalysis Letters, 2008, 122, 53-56.	2.6	28
54	The effect of silylation on titanium-containing silica catalysts for the epoxidation of functionalised molecules. Microporous and Mesoporous Materials, 2008, 111, 39-47.	4.4	47

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55	Active Biocatalysts Based on Pepsin Immobilized in Mesoporous SBA-15. Journal of Physical Chemistry C, 2008, 112, 18110-18116.	3.1	54
56	Challenges in biocatalysis: immobilization of pepsin in mesoporous silicates. Studies in Surface Science and Catalysis, 2008, 174, 1327-1330.	1.5	1
57	Understanding the Vibrational and Electronic Features of Ti(IV) Sites in Mesoporous Silicas by Integrated Ab Initio and Spectroscopic Investigations. Journal of Physical Chemistry C, 2007, 111, 4946-4955.	3.1	37
58	Ti(IV) Catalytic Centers Grafted on Different Siliceous Materials:â€‰ Spectroscopic and Catalytic Study. Journal of Physical Chemistry C, 2007, 111, 5083-5089.	3.1	64
59	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
60	Epoxidation of unsaturated FAMEs obtained from vegetable source over Ti(IV)-grafted silica catalysts: A comparison between ordered and non-ordered mesoporous materials. Journal of Molecular Catalysis A, 2006, 250, 218-225.	4.8	78
61	Catalytic dehydrogenation of propane over cluster-derived Irâ€"Sn/SiO2 catalysts. Catalysis Letters, 2006, 112, 89-95.	2.6	26
62	CD3CN and NH3 interaction with Ti(IV) catalytic centres grafted on mesoporous MCM-41. Studies in Surface Science and Catalysis, 2005, , 311-320.	1.5	5
63	Unequivocal evidence of the presence of titanols in Ti-MCM-48 mesoporous materials. A combined diffuse reflectance UV-Vis-Nir and 29Si-MAS-NMR study. Research on Chemical Intermediates, 2004, 30, 871-877.	2.7	9
64	The surface acidity of mesoporous silicoaluminophosphates: A FTIR study. Studies in Surface Science and Catalysis, 2004, , 1498-1504.	1.5	4
65	Photoluminescence study of mesoporous MCM-41 and Ti-grafted MCM-41. Research on Chemical Intermediates, 2003, 29, 681-689.	2.7	3
66	Spectroscopic Characterization of Microporous Aluminophosphate Materials with Potential Application in Environmental Catalysis. ChemInform, 2003, 34, no.	0.0	0
67	Synthesis and surface properties of Ti-containing mesoporous aluminophosphates. A comparison with Ti-grafted mesoporous silica Ti-MCM-41. Inorganica Chimica Acta, 2003, 349, 259-264.	2.4	23
68	The identity of titanium centres in microporous aluminophosphates compared with Ti-MCM-41 mesoporous catalyst and titanosilsesquioxane dimer molecular complex: a spectroscopy study. Journal of Molecular Catalysis A, 2003, 204-205, 483-489.	4.8	46
69	Spectroscopic characterisation of microporous aluminophosphate materials with potential application in environmental catalysis. Catalysis Today, 2003, 77, 371-384.	4.4	33
70	Heterogeneous catalytic epoxidation of fatty acid methyl esters on titanium-grafted silicas. Green Chemistry, 2003, 5, 421.	9.0	82
71	Acidity of mesoporous aluminophosphates and silicas MCM-41. A combined FTIR and UV-Vis-NIR study. Studies in Surface Science and Catalysis, 2002, 142, 1419-1426.	1.5	8
72	Meso-ALPO prepared by thermal decomposition of the organic-inorganic composite: A FTIR study. Studies in Surface Science and Catalysis, 2002, , 417-422.	1.5	6

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73	NH3adsorption on MCM-41 and Ti-grafted MCM-41. FTIR, DR UVâ€"Visâ€"NIR and photoluminescence studies. Physical Chemistry Chemical Physics, 2002, 4, 6109-6115.	2.8	60
74	14-O-05-Elucidating the nature and reactivity of cobalt ions in CoAPOs. A combined FTIR and EPR study of NO and NO2 adsorbed at 77K and 298K. Studies in Surface Science and Catalysis, 2001, , 178.	1.5	2
75	Innovative nanoporous materials: metal-aluminophosphates. Materials Science and Engineering C, 2001, 15, 219-229.	7.3	14
76	One-Step Synthesis of a Highly Active, Mesoporous, Titanium-Containing Silica by Using Bifunctional Templating. Chemistry - A European Journal, 2001, 7, 1437-1443.	3.3	101
77	Title is missing!. Catalysis Letters, 2001, 76, 21-26.	2.6	12
78	Spectroscopic and catalytic investigation of the NO reactivity on CoAPOs with chabasite-like structure. Studies in Surface Science and Catalysis, 2000, , 3005-3010.	1.5	9
79	A Spectroscopic Study of Group IV Transition Metal Incorporated Direct Templated Mesoporous Catalysts Part 1:Â A Comparison between Materials Synthesized Using Hydrophobic and Hydrophilic Ti Precursors. Journal of Physical Chemistry B, 2000, 104, 7102-7109.	2.6	39
80	ALPO-34 and SAPO-34 synthesized by using morpholine as templating agent. FTIR and FT-Raman studies of the hostâ€"guest and guestâ€"guest interactions within the zeolitic framework. Microporous and Mesoporous Materials, 1999, 30, 145-153.	4.4	91
81	The interaction of NO with Co2+/Co3+ redox centres in CoAPOs catalysts: FTIR and UVâ€"VIS investigations. Catalysis Today, 1999, 54, 547-552.	4.4	34
82	Acidic and basic sites in NaX and NaY faujasites investigated by NH3, CO2 and CO molecular probes. Research on Chemical Intermediates, 1999, 25, 77-93.	2.7	37
83	One-pot incorporation of titanium catalytic sites into mesoporous true liquid crystal templated (TLCT) silica. Chemical Communications, 1999, , 87-88.	4.1	22
84	Structureâ€"functionality relationships of grafted Ti-MCM41 silicas. Spectroscopic and catalytic studies. Physical Chemistry Chemical Physics, 1999, 1, 585-592.	2.8	170
85	Vibrational Spectroscopy of NH4+Ions in Zeolitic Materials:Â An IR Study. Journal of Physical Chemistry B, 1997, 101, 10128-10135.	2.6	248
86	Probing the Titanium Sites in Tiâˆ'MCM41 by Diffuse Reflectance and Photoluminescence UVâˆ'Vis Spectroscopies. Journal of Physical Chemistry B, 1997, 101, 8836-8838.	2.6	210
87	Spectroscopic tools for probing the isolated titanium centres in MCM41 mesoporous catalysts. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1997, 19, 1707-1718.	0.4	22
88	A quantitative description of the active sites in the dehydrated acid catalyst HSAPO-34 for the conversion of methanol to olefins. Catalysis Letters, 1996, 41, 13-16.	2.6	101
89	Assessing the Brï¿½nsted acidity of CoAPO-18 catalysts by using N2 as molecular probe. Catalysis Letters, 1996, 37, 107-111.	2.6	24
90	The Application of UV-Visible-NIR Spectroscopy to Oxides. , 0, , 51-94.		10