Pedro Amoros

List of Publications by Year in descending order

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226 papers	9,815 citations	38660 50 h-index	49773 87 g-index
239 all docs	239 docs citations	239 times ranked	8719 citing authors

#	Article	IF	Citations
1	pH- and Photo-Switched Release of Guest Molecules from Mesoporous Silica Supports. Journal of the American Chemical Society, 2009, 131, 6833-6843.	6.6	367
2	Enzyme-Responsive Intracellular Controlled Release Using Nanometric Silica Mesoporous Supports Capped with â€œSaccharidesâ€• ACS Nano, 2010, 4, 6353-6368.	7.3	286
3	Rational Design of a Chromo- and Fluorogenic Hybrid Chemosensor Material for the Detection of Long-Chain Carboxylates. Journal of the American Chemical Society, 2005, 127, 184-200.	6.6	253
4	Surfactant-Assisted Synthesis of Mesoporous Alumina Showing Continuously Adjustable Pore Sizes. Advanced Materials, 1999, 11, 379-381.	11.1	241
5	Enzymeâ€Responsive Controlled Release Using Mesoporous Silica Supports Capped with Lactose. Angewandte Chemie - International Edition, 2009, 48, 5884-5887.	7.2	236
6	Controlled Delivery Systems Using Antibody-Capped Mesoporous Nanocontainers. Journal of the American Chemical Society, 2009, 131, 14075-14080.	6.6	235
7	Controlled Delivery Using Oligonucleotideâ€Capped Mesoporous Silica Nanoparticles. Angewandte Chemie - International Edition, 2010, 49, 7281-7283.	7.2	234
8	Toward the Development of Ionically Controlled Nanoscopic Molecular Gates. Journal of the American Chemical Society, 2004, 126, 8612-8613.	6.6	225
9	Dual Aperture Control on pH- and Anion-Driven Supramolecular Nanoscopic Hybrid Gate-like Ensembles. Journal of the American Chemical Society, 2008, 130, 1903-1917.	6.6	220
10	Generalised syntheses of ordered mesoporous oxides: the atrane route. Solid State Sciences, 2000, 2, 405-420.	1.5	208
11	Enzymeâ€Mediated Controlled Release Systems by Anchoring Peptide Sequences on Mesoporous Silica Supports. Angewandte Chemie - International Edition, 2011, 50, 2138-2140.	7.2	197
12	Photochemical and Chemical Twoâ€Channel Control of Functional Nanogated Hybrid Architectures. Advanced Materials, 2007, 19, 2228-2231.	11.1	160
13	Silica-based powders and monoliths with bimodal pore systemsElectronic supplementary information (ESI) available: UVâ€“Vis spectrum of sample 3. See http://www.rsc.org/suppdata/cc/b1/b110883b/. Chemical Communications, 2002, , 330-331.	2.2	152
14	Finely Tuned Temperatureâ€Controlled Cargo Release Using Paraffinâ€Capped Mesoporous Silica Nanoparticles. Angewandte Chemie - International Edition, 2011, 50, 11172-11175.	7.2	143
15	Chromogenic Discrimination of Primary Aliphatic Amines in Water with Functionalized Mesoporous Silica. Advanced Materials, 2004, 16, 1783-1786.	11.1	124
16	A Mesoporous 3D Hybrid Material with Dual Functionality for Hg²⁺ Detection and Adsorption. Chemistry - A European Journal, 2008, 14, 8267-8278.	1.7	123
17	The Determination of Methylmercury in Real Samples Using Organically Capped Mesoporous Inorganic Materials Capable of Signal Amplification. Angewandte Chemie - International Edition, 2009, 48, 8519-8522.	7.2	123
18	New Methods for Anion Recognition and Signaling Using Nanoscopic Gatelike Scaffoldings. Angewandte Chemie - International Edition, 2006, 45, 6661-6664.	7.2	107

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19	Insights into the Dynamics of Grotthuss Mechanism in a Proton-Conducting Chiral bioMOF. Chemistry of Materials, 2016, 28, 4608-4615.	3.2	105
20	Gated Mesoporous Silica Nanoparticles for the Controlled Delivery of Drugs in Cancer Cells. Langmuir, 2015, 31, 3753-3762.	1.6	104
21	Enhanced surface area in thermally stable pure mesoporous TiO2. Solid State Sciences, 2000, 2, 513-518.	1.5	97
22	Glucose-triggered release using enzyme-gated mesoporous silica nanoparticles. Chemical Communications, 2013, 49, 6391.	2.2	95
23	Anthrylmethylamine functionalised mesoporous silica-based materials as hybrid fluorescent chemosensors for ATP. Journal of Materials Chemistry, 2005, 15, 2721.	6.7	90
24	An aptamer-gated silica mesoporous material for thrombin detection. Chemical Communications, 2013, 49, 5480.	2.2	89
25	Host Solids Containing Nanoscale Anion-Binding Pockets and Their Use in Selective Sensing Displacement Assays. Angewandte Chemie - International Edition, 2005, 44, 2918-2922.	7.2	88
26	Novel crystalline microporous transition-metal phosphites M11(HPO3)8(OH)6 (M = Zn, Co, Ni). X-ray powder diffraction structure determination of the cobalt and nickel derivatives. Chemistry of Materials, 1993, 5, 121-128.	3.2	87
27	Reversible Solvatomagnetic Switching in a Spongelike Manganese(II)â€“Copper(II) 3D Open Framework with a Pillared Square/Octagonal Layer Architecture. Chemistry - A European Journal, 2012, 18, 1608-1617.	1.7	86
28	A new method for fluoride determination by using fluorophores and dyes anchored onto MCM-41Electronic supplementary information (ESI) available: IR spectra, SEM images, X-ray diffraction patterns and TG/TD analysis. See http://www.rsc.org/suppdata/cc/b1/b111128k/. Chemical Communications, 2002, , 562-563.	2.2	80
29	Nanoscopic hybrid systems with a polarity-controlled gate-like scaffolding for the colorimetric signalling of long-chain carboxylates. Chemical Communications, 2007, , 1957-1959.	2.2	80
30	Microwaveâ€Assisted Synthesis of Covalent Organic Frameworks: A Review. ChemSusChem, 2021, 14, 208-233.	3.6	80
31	Borateâ€Driven Gatelike Scaffolding Using Mesoporous Materials Functionalised with Saccharides. Chemistry - A European Journal, 2009, 15, 6877-6888.	1.7	78
32	Enzymeâ€Responsive Intracellularâ€Controlled Release Using Silica Mesoporous Nanoparticles Capped with Îµâ€Polyâ€<scp>L</scp>â€lysine. Chemistry - A European Journal, 2014, 20, 5271-5281.	1.7	78
33	S+I-Ionic Formation Mechanism to New Mesoporous Aluminum Phosphonates and Diphosphonates. Chemistry of Materials, 2004, 16, 4359-4372.	3.2	73
34	Sensory hybrid host materials for the selective chromo-fluorogenic detection of biogenic amines. Chemical Communications, 2006, , 2239-2241.	2.2	72
35	Reversible solvatomagnetic switching in a single-ion magnet from an entatic state. Chemical Science, 2017, 8, 3694-3702.	3.7	67
36	Ordered Mesoporous Silicon Oxynitrides. Advanced Materials, 2001, 13, 192-195.	11.1	66

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37	Hierarchical bimodal porous silicas and organosilicas for enzyme immobilization. Journal of Materials Chemistry, 2005, 15, 3859.	6.7	66
38	Nanoparticulated Silicas with Bimodal Porosity: Chemical Control of the Pore Sizes. Inorganic Chemistry, 2008, 47, 8267-8277.	1.9	63
39	Selective and Sensitive Chromofluorogenic Detection of the Sulfite Anion in Water Using Hydrophobic Hybrid Organicâ€“Inorganic Silica Nanoparticles. Angewandte Chemie - International Edition, 2013, 52, 13712-13716.	7.2	63
40	Towards Chemical Communication between Gated Nanoparticles. Angewandte Chemie - International Edition, 2014, 53, 12629-12633.	7.2	63
41	Dual Enzymeâ€Triggered Controlled Release on Capped Nanometric Silica Mesoporous Supports. ChemistryOpen, 2012, 1, 17-20.	0.9	59
42	Atrane Precursors in the One-Pot Surfactant-Assisted Synthesis of High Zirconium Content Porous Silicas. Chemistry of Materials, 2002, 14, 5015-5022.	3.2	58
43	Temperature-controlled release by changes in the secondary structure of peptides anchored onto mesoporous silica supports. Chemical Communications, 2014, 50, 3184-3186.	2.2	58
44	Synthesis and Crystal Structure of a Novel Lamellar Barium Derivative:Â Ba(VOPO4)2Â·4H2O. Synthetic Pathways for Layered Oxovanadium Phosphate Hydrates M(VOPO4)2Â·nH2O. Inorganic Chemistry, 1997, 36, 3414-3421.	1.9	55
45	Interface Charge Density Matching as Driving Force for New Mesostructured Oxovanadium Phosphates with Hexagonal Structure, [CTA]xVOPO4Â·zH2O. Chemistry of Materials, 1999, 11, 1446-1454.	3.2	55
46	High Cobalt Content Mesoporous Silicas. Chemistry of Materials, 2004, 16, 2805-2813.	3.2	55
47	Synthesis and Crystal Structure of a Tubular Hydroxyphosphite: Zn11â–¡(HPO3)8(OH)6. Journal of Solid State Chemistry, 1993, 107, 250-257.	1.4	53
48	The First Pure Mesoporous Aluminium Phosphonates and Diphosphonatesâ˜† New Hybrid Porous Materials. European Journal of Inorganic Chemistry, 2004, 2004, 1804-1807.	1.0	53
49	Selective, Highly Sensitive, and Rapid Detection of Genomic DNA by Using Gated Materials: Mycoplasma Detection. Angewandte Chemie - International Edition, 2013, 52, 8938-8942.	7.2	51
50	Cathepsinâ€B Induced Controlled Release from Peptideâ€Capped Mesoporous Silica Nanoparticles. Chemistry - A European Journal, 2014, 20, 15309-15314.	1.7	50
51	Incorporation of Mn12single molecule magnets into mesoporous silica. Journal of Materials Chemistry, 2003, 13, 3089-3095.	6.7	49
52	Fluorogenic detection of Tetryl and TNT explosives using nanoscopic-capped mesoporous hybrid materials. Journal of Materials Chemistry A, 2013, 1, 3561.	5.2	48
53	Poly(N-isopropylacrylamide)-gated Fe3O4/SiO2 core shell nanoparticles with expanded mesoporous structures for the temperature triggered release of lysozyme. Colloids and Surfaces B: Biointerfaces, 2015, 135, 652-660.	2.5	48
54	Bases for the synthesis of nanoparticulated silicas with bimodal hierarchical porosity. Solid State Sciences, 2006, 8, 940-951.	1.5	47

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55	Thalassiosira pseudonana diatom as biotemplate to produce a macroporous ordered carbon-rich material. Carbon, 2008, 46, 297-304.	5.4	47
56	Prediction of Magnetic Properties in Oxovanadium(IV) Phosphates:Â The Role of the Bridging PO4Anions. Inorganic Chemistry, 1998, 37, 3167-3174.	1.9	46
57	Large monolithic silica-based macrocellular foams with trimodal pore system. Chemical Communications, 2003, , 1448-1449.	2.2	46
58	Total oxidation of VOCs on Au nanoparticles anchored on Co doped mesoporous UVM-7 silica. Chemical Engineering Journal, 2012, 187, 391-400.	6.6	44
59	Very high titanium content mesoporous silicas. Chemical Communications, 2001, , 309-310.	2.2	43
60	Design of Enzyme-Mediated Controlled Release Systems Based on Silica Mesoporous Supports Capped with Ester-Glycol Groups. Langmuir, 2012, 28, 14766-14776.	1.6	43
61	Selective, Sensitive, and Rapid Analysis with Lateralâ€Flow Assays Based on Antibodyâ€Gated Dyeâ€Delivery Systems: The Example of Triacetone Triperoxide. Chemistry - A European Journal, 2013, 19, 4117-4122.	1.7	43
62	Hierarchical Porous Nanosized Organosilicas. Chemistry of Materials, 2002, 14, 4502-4504.	3.2	42
63	Mesoporous Hybrid Materials Containing Nanoscopic â€œBinding Pocketsâ€•for Colorimetric Anion Signaling in Water by using Displacement Assays. Chemistry - A European Journal, 2009, 15, 9024-9033.	1.7	42
64	Amphetamine-type stimulants analysis in oral fluid based on molecularly imprinting extraction. Analytica Chimica Acta, 2019, 1052, 73-83.	2.6	42
65	Recent Progress of Microwave-Assisted Synthesis of Silica Materials. Nanomaterials, 2020, 10, 1092.	1.9	42
66	Synthesis and Characterization of SiC/MC/C Ceramics (M = Ti, Zr, Hf) Starting from Totally Non-oxidic Precursors. Chemistry of Materials, 2002, 14, 1585-1590.	3.2	41
67	A Metallacryptandâ€Based Manganese(II)â€“Cobalt(II) Ferrimagnet with a Threeâ€Dimensional Honeycomb Openâ€Framework Architecture. Angewandte Chemie - International Edition, 2008, 47, 4211-4216.	7.2	41
68	Amidase-responsive controlled release of antitumoral drug into intracellular media using gluconamide-capped mesoporous silica nanoparticles. Nanoscale, 2012, 4, 7237.	2.8	39
69	Enzymeâ€Responsive Silica Mesoporous Supports Capped with Azopyridinium Salts for Controlled Delivery Applications. Chemistry - A European Journal, 2013, 19, 1346-1356.	1.7	39
70	Study of silica-structured materials as sorbents for organophosphorus pesticides determination in environmental water samples. Talanta, 2018, 189, 560-567.	2.9	39
71	Encapsulation of folic acid in different silica porous supports: A comparative study. Food Chemistry, 2016, 196, 66-75.	4.2	38
72	Synthesis and crystal structure of Î±-NH4(VO2)(HPO4). Journal of Solid State Chemistry, 1992, 97, 283-291.	1.4	37

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73	Heterogeneous Oxidation of Pyrimidine and Alkyl Thioethers in Ionic Liquids over Mesoporous Ti or Ti/Ge Catalysts. Chemistry - A European Journal, 2004, 10, 4640-4646.	1.7	37
74	Efficient boron removal by using mesoporous matrices grafted with saccharides. Chemical Communications, 2004, , 2198-2199.	2.2	37
75	New trends in Vâ€“Pâ€“O solids. Current Opinion in Solid State and Materials Science, 1999, 4, 123-131.	5.6	36
76	New Chromogenic Probes into Nanoscopic Pockets in Enhanced Sensing Protocols for Amines in Aqueous Environments. Organic Letters, 2005, 7, 5469-5472.	2.4	36
77	Ordered mesoporous silicas as host for the incorporation and aggregation of octanuclear nickel(ii) single-molecule magnets: a bottom-up approach to new magnetic nanocomposite materials. Journal of Materials Chemistry, 2006, 16, 2702-2714.	6.7	36
78	Biomimetic chitosan-mediated synthesis in heterogeneous phase of bulk and mesoporous silica nanoparticles. Chemical Communications, 2009, , 2694.	2.2	36
79	Surfactant-Assisted Synthesis of the SBA-8 Mesoporous Silica by Using Nonrigid Commercial Alkyltrimethyl Ammonium Surfactants. Chemistry of Materials, 2002, 14, 2637-2643.	3.2	35
80	Hybrid materials with nanoscopic anion-binding pockets for the colorimetric sensing of phosphate in water using displacement assays. Chemical Communications, 2008, , 3639.	2.2	35
81	A Photoactivated Molecular Gate. Chemistry - A European Journal, 2012, 18, 12218-12221.	1.7	35
82	Magnetostructural correlations in .alpha.-vanadyl hydrogen phosphate dihydrate		

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91	Targeting Innate Immunity with dsRNAâ€Conjugated Mesoporous Silica Nanoparticles Promotes Antitumor Effects on Breast Cancer Cells. Chemistry - A European Journal, 2016, 22, 1582-1586.	1.7	30
92	Synthetic Strategies To Obtain Vâ^'Pâ^'O Open Frameworks Containing Organic Species as Structural Directing Agents. Crystal Structure of the V(IV)â^'Fe(III) Bimetallic Phosphate [H3N(CH2)2NH3]2[H3N(CH2)2NH2][FeIII(H2O)2(VIVO)8(OH)4(HPO4)4(PO4)4]Â·4H2O. Inorganic Chemistry, 1996, 35, 5613-5621.	1.9	29
93	Towards the Loewenstein limit (Si/Al=1) in thermally stable mesoporous aluminosilicates. Chemical Communications, 1999, , 1679-1680.	2.2	29
94	A new efficient, highly dispersed, Pd nanoparticulate silica supported catalyst synthesized from an organometallic precursor. Study of the homogeneous vs. heterogeneous activity in the Suzuki-Miyaura reaction. Journal of Catalysis, 2018, 367, 283-295.	3.1	29
95	Tetrathiafulvalene-Capped Hybrid Materials for the Optical Detection of Explosives. ACS Applied Materials & Interfaces, 2013, 5, 1538-1543.	4.0	28
96	Hyaluronic Acidâ€“Silica Nanohybrid Gels. Biomacromolecules, 2013, 14, 4217-4225.	2.6	28
97	Refractive index controlled by film morphology and free carrier density in undoped ZnO through sol-pH variation. Optik, 2018, 158, 1139-1146.	1.4	28
98	Targeted-lung delivery of dexamethasone using gated mesoporous silica nanoparticles. A new therapeutic approach for acute lung injury treatment. Journal of Controlled Release, 2021, 337, 14-26.	4.8	28
99	Improving epoxide production using Ti-UVM-7 porous nanosized catalysts. New Journal of Chemistry, 2002, 26, 1093-1095.	1.4	26
100	Preparation of multi-nanocrystalline transition metal oxide (TiO2â€“NiTiO3) mesoporous thin films. New Journal of Chemistry, 2005, 29, 141-144.	1.4	26
101	Enhanced antifungal efficacy of tebuconazole using gated pH-driven mesoporous nanoparticles. International Journal of Nanomedicine, 2014, 9, 2597.	3.3	26
102	New vanadyl hydrogenphosphate hydrates. Electronic spectra of the VO2+ ion in the VO(HxPO4)xÂ·yH2O system. Materials Research Bulletin, 1989, 24, 1347-1360.	2.7	25
103	New lamellar oxophosphorus derivatives of nickel(II): x-ray powder diffraction structure determinations and magnetic studies of Ni(HPO3).H2O, NiCl(H2PO2).H2O, and NixCo1-x(HPO3).H2O solid solutions. Inorganic Chemistry, 1993, 32, 5044-5052.	1.9	25
104	Mesosynthesis of ZnOâ€“SiO₂porous nanocomposites with low-defect ZnO nanometric domains. Nanotechnology, 2008, 19, 225603.	1.3	25
105	Crystal structure of a new polytype in the Vâ€“Pâ€“O system: is Ï‰-VOPO4 a dynamically stabilised metastable network?. Journal of Physics and Chemistry of Solids, 2001, 62, 1393-1399.	1.9	24
106	Selective oxidative activation of isobutane on a novel vanadium-substituted bimodal mesoporous oxide V-UVM-7. Catalysis Today, 2006, 117, 180-186.	2.2	24
107	Nanosized Mesoporous Silica Coatings on Ceramic Foams:Â New Hierarchical Rigid Monoliths. Chemistry of Materials, 2007, 19, 1082-1088.	3.2	24
108	Antibodyâ€Capped Mesoporous Nanoscopic Materials: Design of a Probe for the Selective Chromoâ€Fluorogenic Detection of Finasteride. ChemistryOpen, 2012, 1, 251-259.	0.9	24

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109	Delivery Modulation in Silica Mesoporous Supports via Alkyl Chain Pore Outlet Decoration. Langmuir, 2012, 28, 2986-2996.	1.6	24
110	Modulation of folic acid bioaccessibility by encapsulation in pH-responsive gated mesoporous silica particles. Microporous and Mesoporous Materials, 2015, 202, 124-132.	2.2	24
111	Vanadyl phosphate dihydrate, a solid acid: the role of water in VOPO4ï¿½2H2O and its sodium derivatives Na x (VIV x VV 1?x O)PO4ï¿½(2?x)H2O. Journal of Inclusion Phenomena, 1988, 6, 193-211.	0.6	23
112	Direct oxidation of isobutane to methacrolein over V-MCM-41 catalysts. Catalysis Today, 2004, 91-92, 43-47.	2.2	23
113	Interconnected mesopores and high accessibility in UVM-7-like silicas. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	23
114	Low-cost materials for boron adsorption from water. Journal of Materials Chemistry, 2012, 22, 25362.	6.7	23
115	Chromoâ€Fluorogenic Detection of Nitroaromatic Explosives by Using Silica Mesoporous Supports Gated with Tetrathiafulvalene Derivatives. Chemistry - A European Journal, 2014, 20, 855-866.	1.7	23
116	Stability of different mesoporous silica particles during an inÂvitro digestion. Microporous and Mesoporous Materials, 2016, 230, 196-207.	2.2	23
117	Ordered mesoporous materials: composition and topology control through chemistry. Solid State Sciences, 2001, 3, 1157-1163.	0.8	22
118	Oxidative dehydrogenation of isobutane over Co-MCM-41 catalysts. Catalysis Today, 2004, 91-92, 127-130.	2.2	22
119	New heterogeneous catalysts for greener routes in the synthesis of fine chemicals. Journal of Catalysis, 2007, 251, 388-399.	3.1	22
120	Azobenzene Polyesters Used as Gateâ€Like Scaffolds in Nanoscopic Hybrid Systems. Chemistry - A European Journal, 2012, 18, 13068-13078.	1.7	22
121	Relationship between bulk phase, near surface and outermost atomic layer of VPO catalysts and their catalytic performance in the oxidative dehydrogenation of ethane. Journal of Catalysis, 2017, 354, 236-249.	3.1	22
122	Epoxidation of dibenzocycloalkenes on Tiâ€“Ge-MCM-41 and Ti-SBA-15 catalysts. Microporous and Mesoporous Materials, 2005, 81, 115-124.	2.2	21
123	Crystalline microstructure of sepiolite influenced by grinding. Journal of Applied Crystallography, 2005, 38, 888-899.	1.9	21
124	Magnetic and structural approach for understanding the electrochemical behavior of LiNi0.33Co0.33Mn0.33O2 positive electrode material. Electrochimica Acta, 2013, 111, 567-574.	2.6	21
125	New multicomponent catalysts for the selective aerobic oxidative condensation of benzylamine to N-benzylidenebenzylamine. Catalysis Science and Technology, 2014, 4, 4340-4355.	2.1	21
126	Oxovanadium(IV) hydrogen phosphate hydrates: a time-resolved neutron powder diffraction study. Chemistry of Materials, 1991, 3, 407-413.	3.2	20

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127	Optical properties of exciton confinement in spherical ZnO quantum dots embedded in matrix. Superlattices and Microstructures, 2009, 46, 907-916.	1.4	20
128	Extraction of aflatoxins by using mesoporous silica (type UVM-7), and their quantitation by HPLC-MS. Mikrochimica Acta, 2019, 186, 792.	2.5	20
129	Mn 12 single-molecule magnets incorporated into mesoporous MCM-41 silica. Polyhedron, 2003, 22, 2395-2400.	1.0	19
130	Stable anchoring of dispersed gold nanoparticles on hierarchic porous silica-based materials. Journal of Materials Chemistry, 2010, 20, 6780.	6.7	19
131	Heterogeneous Gold Catalyst: Synthesis, Characterization, and Application in 1,4-Addition of Boronic Acids to Enones. ACS Catalysis, 2015, 5, 5060-5067.	5.5	19
132	Scale-up low-cost synthesis of bimodal mesoporous silicas. Solid State Sciences, 2005, 7, 415-421.	1.5	18
133	Expanding the atrane route: Generalized surfactant-free synthesis of mesoporous nanoparticulated xerogels. Solid State Sciences, 2008, 10, 587-601.	1.5	18
134	Bimodal porous silica nanomaterials as sorbents for an efficient and inexpensive determination of aflatoxin M1 in milk and dairy products. Food Chemistry, 2020, 333, 127421.	4.2	18
135	In situ growth of metal-organic framework HKUST-1 in an organic polymer as sorbent for nitrated and oxygenated polycyclic aromatic hydrocarbon in environmental water samples prior to quantitation by HPLC-UV. Mikrochimica Acta, 2020, 187, 301.	2.5	18
136	Ab Initio Crystal Structure Determination of VO(H2PO2)2.cntdot.H2O from X-ray and Neutron Powder Diffraction Data. A Monodimensional Vanadium(IV) Hypophosphite. Inorganic Chemistry, 1994, 33, 2607-2613.	1.9	17
137	Synthetic Pathways for New Tubular Transition Metal Hydroxo- and Fluoro-Selenites: Crystal Structures ofM12(X)2(SeO3)8(OH)6(M=Co2+,Ni2+;X= OHâˆ’). Journal of Solid State Chemistry, 1996, 126, 169-176.	1.4	17
138	ZnO nanoparticles embedded in UVM-7-like mesoporous silica materials: Synthesis and characterization. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 42, 25-31.	1.3	17
139	Organo-silica hybrid capillary monolithic column with mesoporous silica particles for separation of small aromatic molecules. Mikrochimica Acta, 2017, 184, 3799-3808.	2.5	17
140	Design, characterization and comparison of materials based on Î² and Î³ cyclodextrin covalently connected to microporous silica for environmental analysis. Journal of Chromatography A, 2018, 1563, 10-19.	1.8	17
141	Hierarchical porous carbon with designed pore architecture and study of its adsorptive properties. Solid State Sciences, 2010, 12, 15-25.	1.5	16
142	Determination of phenolic compounds in air by using cyclodextrin-silica hybrid microporous composite samplers. Talanta, 2015, 134, 560-567.	2.9	16
143	Fatty Acid Carboxylateâ€•and Anionic Surfactantâ€Controlled Delivery Systems That Use Mesoporous Silica Supports. Chemistry - A European Journal, 2010, 16, 10048-10061.	1.7	15
144	Organicâ€“Inorganic Hybrid Mesoporous Materials as Regenerable Sensing Systems for the Recognition of Nitroaromatic Explosives. ChemPlusChem, 2013, 78, 684-694.	1.3	15

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145	Protective effect of mesoporous silica particles on encapsulated folates. European Journal of Pharmaceutics and Biopharmaceutics, 2016, 105, 9-17.	2.0	15
146	2D and 3D mixed M^{II}/Cu^{II}metalâ€“organic frameworks (M = Ca and Sr) withN,Nâ€²-2,6-pyridinebis(oxamate) and oxalate: preparation and magneto-structural study. Dalton Transactions, 2018, 47, 11539-11553.	1.6	15
147	Pore Length Effect on Drug Uptake and Delivery by Mesoporous Silicas. ChemPlusChem, 2012, 77, 817-831.	1.3	14
148	Caspase 3 Targeted Cargo Delivery in Apoptotic Cells Using Capped Mesoporous Silica Nanoparticles. Chemistry - A European Journal, 2015, 21, 15506-15510.	1.7	14
149	11B-MAS NMR approach to the boron adsorption mechanism on a glucose-functionalised mesoporous silica matrix. Microporous and Mesoporous Materials, 2018, 266, 232-241.	2.2	14
150	Aggregation-induced heterogeneities in the emission of upconverting nanoparticles at the submicron scale unfolded by hyperspectral microscopy. Nanoscale Advances, 2019, 1, 2537-2545.	2.2	14
151	Synthesis of a New Mesostructured Lamellar Oxovanadium Phosphate Assembled through an S+X-I0 Mechanism. Inorganic Chemistry, 1999, 38, 4243-4248.	1.9	13
152	Silica-based macrocellular foam monoliths with hierarchical trimodal pore systems. Solid State Sciences, 2005, 7, 405-414.	1.5	13
153	Molecular precursors of mesostructured silica materials in the atrane route: A DFT/GIAO/NBO theoretical study. Computational and Theoretical Chemistry, 2007, 822, 89-102.	1.5	13
154	Samplers for VOCs in air based on cyclodextrinâ€“silica hybrid microporous solid phases. Analyst, The, 2012, 137, 1275.	1.7	13
155	Mesoporous iron phosphate/phosphonate hybrid materials. Microporous and Mesoporous Materials, 2014, 187, 14-22.	2.2	13
156	A new proposal for the determination of polychlorinated biphenyls in environmental water by using host-guest adsorption. Science of the Total Environment, 2020, 724, 138266.	3.9	13
157	Cyclodextrins as a Key Piece in Nanostructured Materials: Quantitation and Remediation of Pollutants. Nanomaterials, 2021, 11, 7.	1.9	13
158	Superexchange pathways in oxovanadium(IV) phosphates. Journal of Alloys and Compounds, 1992, 188, 123-127.	2.8	12
159	Non-stoichiometric tubular nickel(II) hydroxyarsenates of the dumortierite family: crystal structure and topochemical thermal reduction of Ni12+xH6â€“x(AsO4)8(OH)6(x= 1.16 and 1.33). Journal of Materials Chemistry, 1995, 5, 917-925.	6.7	12
160	Synthesis, characterization and catalytic behavior of SnTf/MCM-41 and SnTf/UVM-7 as new green catalysts for etherification reactions. Journal of Materials Science, 2009, 44, 6693-6700.	1.7	12
161	Tetraethylorthosilicate as molecular precursor to the formation of amorphous silica networks. A DFT-SCRF study of the base catalyzed hydrolysis. Journal of Molecular Modeling, 2012, 18, 3301-3310.	0.8	12
162	The Li Ni0.2Mn0.2Co0.6O2 electrode materials: A structural and magnetic study. Materials Research Bulletin, 2012, 47, 1004-1009.	2.7	12

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