

# Maria Dolores Marcos MartÃ-nez

## List of Publications by Year in descending order

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192  
papers

10,723  
citations

31949

53  
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37183

96  
g-index

201  
all docs

201  
docs citations

201  
times ranked

9925  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical chemosensors and reagents to detect explosives. <i>Chemical Society Reviews</i> , 2012, 41, 1261-1296.	18.7	1,019
2	pH- and Photo-Switched Release of Guest Molecules from Mesoporous Silica Supports. <i>Journal of the American Chemical Society</i> , 2009, 131, 6833-6843.	6.6	367
3	A Regenerative Chemodosimeter Based on Metal-Induced Dye Formation for the Highly Selective and Sensitive Optical Determination of Hg <sup>2+</sup> Ions. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4405-4407.	7.2	351
4	Enzyme-Responsive Intracellular Controlled Release Using Nanometric Silica Mesoporous Supports Capped with Saccharides. <i>ACS Nano</i> , 2010, 4, 6353-6368.	7.3	286
5	Rational Design of a Chromo- and Fluorogenic Hybrid Chemosensor Material for the Detection of Long-Chain Carboxylates. <i>Journal of the American Chemical Society</i> , 2005, 127, 184-200.	6.6	253
6	Surfactant-Assisted Synthesis of Mesoporous Alumina Showing Continuously Adjustable Pore Sizes. <i>Advanced Materials</i> , 1999, 11, 379-381.	11.1	241
7	Enzyme-Responsive Controlled Release Using Mesoporous Silica Supports Capped with Lactose. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5884-5887.	7.2	236
8	Controlled Delivery Systems Using Antibody-Capped Mesoporous Nanocontainers. <i>Journal of the American Chemical Society</i> , 2009, 131, 14075-14080.	6.6	235
9	Controlled Delivery Using Oligonucleotide-Capped Mesoporous Silica Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7281-7283.	7.2	234
10	Toward the Development of Ionically Controlled Nanoscopic Molecular Gates. <i>Journal of the American Chemical Society</i> , 2004, 126, 8612-8613.	6.6	225
11	Dual Aperture Control on pH- and Anion-Driven Supramolecular Nanoscopic Hybrid Gate-like Ensembles. <i>Journal of the American Chemical Society</i> , 2008, 130, 1903-1917.	6.6	220
12	Generalised syntheses of ordered mesoporous oxides: the atrane route. <i>Solid State Sciences</i> , 2000, 2, 405-420.	1.5	208
13	Enzyme-Mediated Controlled Release Systems by Anchoring Peptide Sequences on Mesoporous Silica Supports. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2138-2140.	7.2	197
14	Silica-based powders and monoliths with bimodal pore systems Electronic supplementary information (ESI) available: UV-Vis spectrum of sample 3. See <a href="http://www.rsc.org/suppdata/cc/b1/b110883b/">http://www.rsc.org/suppdata/cc/b1/b110883b/</a> . <i>Chemical Communications</i> , 2002, , 330-331.	2.2	152
15	Finely Tuned Temperature-Controlled Cargo Release Using Paraffin-Capped Mesoporous Silica Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11172-11175.	7.2	143
16	A Mesoporous 3D Hybrid Material with Dual Functionality for Hg <sup>2+</sup> Detection and Adsorption. <i>Chemistry - A European Journal</i> , 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. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8519-8522.	7.2	123
18	Targeted Cargo Delivery in Senescent Cells Using Capped Mesoporous Silica Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10556-10560.	7.2	122

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19	Sensitive and Selective Chromogenic Sensing of Carbon Monoxide via Reversible Axial CO Coordination in Binuclear Rhodium Complexes. <i>Journal of the American Chemical Society</i> , 2011, 133, 15762-15772.	6.6	113
20	A novel colorimetric sensor array for monitoring fresh pork sausages spoilage. <i>Food Control</i> , 2014, 35, 166-176.	2.8	109
21	New Methods for Anion Recognition and Signaling Using Nanoscopic Gatelike Scaffoldings. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6661-6664.	7.2	107
22	A Simple Approach for the Selective and Sensitive Colorimetric Detection of Anionic Surfactants in Water. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1675-1678.	7.2	106
23	Gated Mesoporous Silica Nanoparticles for the Controlled Delivery of Drugs in Cancer Cells. <i>Langmuir</i> , 2015, 31, 3753-3762.	1.6	104
24	Controlled release of vitamin B2 using mesoporous materials functionalized with amine-bearing gate-like scaffoldings. <i>Journal of Controlled Release</i> , 2008, 131, 181-189.	4.8	101
25	Sensitive and Selective Chromogenic Sensing of Carbon Monoxide by Using Binuclear Rhodium Complexes. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4934-4937.	7.2	99
26	Monitoring of chicken meat freshness by means of a colorimetric sensor array. <i>Analyst, The</i> , 2012, 137, 3635.	1.7	98
27	Enhanced surface area in thermally stable pure mesoporous TiO <sub>2</sub> . <i>Solid State Sciences</i> , 2000, 2, 513-518.	1.5	97
28	Interactive models of communication at the nanoscale using nanoparticles that talk to one another. <i>Nature Communications</i> , 2017, 8, 15511.	5.8	96
29	Glucose-triggered release using enzyme-gated mesoporous silica nanoparticles. <i>Chemical Communications</i> , 2013, 49, 6391.	2.2	95
30	Triggered release in lipid bilayer-capped mesoporous silica nanoparticles containing SPION using an alternating magnetic field. <i>Chemical Communications</i> , 2012, 48, 5647.	2.2	91
31	Anthrylmethylamine functionalised mesoporous silica-based materials as hybrid fluorescent chemosensors for ATP. <i>Journal of Materials Chemistry</i> , 2005, 15, 2721.	6.7	90
32	An aptamer-gated silica mesoporous material for thrombin detection. <i>Chemical Communications</i> , 2013, 49, 5480.	2.2	89
33	Host Solids Containing Nanoscale Anion-Binding Pockets and Their Use in Selective Sensing Displacement Assays. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2918-2922.	7.2	88
34	Novel crystalline microporous transition-metal phosphites M <sub>11</sub> (HPO <sub>3</sub> ) <sub>8</sub> (OH) <sub>6</sub> (M = Zn, Co, Ni). X-ray powder diffraction structure determination of the cobalt and nickel derivatives. <i>Chemistry of Materials</i> , 1993, 5, 121-128.	3.2	87
35	A new method for fluoride determination by using fluorophores and dyes anchored onto MCM-41. Electronic supplementary information (ESI) available: IR spectra, SEM images, X-ray diffraction patterns and TG/TD analysis. See <a href="http://www.rsc.org/suppdata/cc/b1/b111128k/">http://www.rsc.org/suppdata/cc/b1/b111128k/</a> . <i>Chemical Communications</i> , 2002, , 562-563.	2.2	80
36	Nanoscopy hybrid systems with a polarity-controlled gate-like scaffolding for the colorimetric signalling of long-chain carboxylates. <i>Chemical Communications</i> , 2007, , 1957-1959.	2.2	80

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37	Borate-Driven Gate-like Scaffolding Using Mesoporous Materials Functionalised with Saccharides. <i>Chemistry - A European Journal</i> , 2009, 15, 6877-6888.	1.7	78
38	Sensory hybrid host materials for the selective chromo-fluorogenic detection of biogenic amines. <i>Chemical Communications</i> , 2006, , 2239-2241.	2.2	72
39	Enhanced antimicrobial activity of essential oil components immobilized on silica particles. <i>Food Chemistry</i> , 2017, 233, 228-236.	4.2	70
40	Ferrocene-containing chelating ligands. 1. Solution study, synthesis, crystal structure, and electronic properties of bis{N,N'-ethylenebis((ferrocenylmethyl)amine)}copper(II) nitrate. <i>Inorganic Chemistry</i> , 1993, 32, 1197-1203.	1.9	68
41	Ordered Mesoporous Silicon Oxynitrides. <i>Advanced Materials</i> , 2001, 13, 192-195.	11.1	66
42	Selective Fluorogenic Sensing of As(III) Using Aptamer-Capped Nanomaterials. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 11332-11336.	4.0	64
43	Selective and Sensitive Chromofluorogenic Detection of the Sulfite Anion in Water Using Hydrophobic Hybrid Organic-Inorganic Silica Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13712-13716.	7.2	63
44	Towards Chemical Communication between Gated Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12629-12633.	7.2	63
45	A New Approach to Chemosensors for Anions Using MCM-41 Grafted with Amino Groups. <i>Advanced Materials</i> , 2002, 14, 966-969.	11.1	63
46	Dual Enzyme-Triggered Controlled Release on Capped Nanometric Silica Mesoporous Supports. <i>ChemistryOpen</i> , 2012, 1, 17-20.	0.9	59
47	Atrane Precursors in the One-Pot Surfactant-Assisted Synthesis of High Zirconium Content Porous Silicas. <i>Chemistry of Materials</i> , 2002, 14, 5015-5022.	3.2	58
48	Temperature-controlled release by changes in the secondary structure of peptides anchored onto mesoporous silica supports. <i>Chemical Communications</i> , 2014, 50, 3184-3186.	2.2	58
49	Gold Nanostars Coated with Mesoporous Silica Are Effective and Nontoxic Photothermal Agents Capable of Gate Keeping and Laser-Induced Drug Release. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 27644-27656.	4.0	57
50	Synthesis and Crystal Structure of a Novel Lamellar Barium Derivative: $\text{Ba}(\text{VOPO}_4)_2 \cdot 4\text{H}_2\text{O}$ . <i>Synthetic Pathways for Layered Oxovanadium Phosphate Hydrates <math>\text{M}(\text{VOPO}_4)_2 \cdot n\text{H}_2\text{O}</math></i> . <i>Inorganic Chemistry</i> , 1997, 36, 3414-3421.	1.9	55
51	Interface Charge Density Matching as Driving Force for New Mesostructured Oxovanadium Phosphates with Hexagonal Structure, $[\text{CTA}]_x\text{VOPO}_4 \cdot z\text{H}_2\text{O}$ . <i>Chemistry of Materials</i> , 1999, 11, 1446-1454.	3.2	55
52	High Cobalt Content Mesoporous Silicas. <i>Chemistry of Materials</i> , 2004, 16, 2805-2813.	3.2	55
53	Self-Regulated Glucose-Sensitive Neoglycoenzyme-Capped Mesoporous Silica Nanoparticles for Insulin Delivery. <i>Chemistry - A European Journal</i> , 2017, 23, 1353-1360.	1.7	55
54	Synthesis and Crystal Structure of a Tubular Hydroxyphosphite: $\text{Zn}_{11}(\text{HPO}_3)_8(\text{OH})_6$ . <i>Journal of Solid State Chemistry</i> , 1993, 107, 250-257.	1.4	53

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55	Selective, Highly Sensitive, and Rapid Detection of Genomic DNA by Using Gated Materials: <i>Mycoplasma</i> Detection. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8938-8942.	7.2	51
56	Mesoporous silica materials with covalently anchored phenoxazinone dyes as fluorescent hybrid materials for vapour sensing. <i>Journal of Materials Chemistry</i> , 2007, 17, 4716.	6.7	50
57	Cathepsin B Induced Controlled Release from Peptide-Capped Mesoporous Silica Nanoparticles. <i>Chemistry - A European Journal</i> , 2014, 20, 15309-15314.	1.7	50
58	Anchoring Dyes into Multidimensional Large-Pore Zeolites: A Prospective Use as Chromogenic Sensing Materials. <i>Chemistry - A European Journal</i> , 2006, 12, 2162-2170.	1.7	48
59	Fluorogenic detection of Tetryl and TNT explosives using nanoscopic-capped mesoporous hybrid materials. <i>Journal of Materials Chemistry A</i> , 2013, 1, 3561.	5.2	48
60	Poly(N-isopropylacrylamide)-gated Fe <sub>3</sub> O <sub>4</sub> /SiO <sub>2</sub> core shell nanoparticles with expanded mesoporous structures for the temperature triggered release of lysozyme. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 135, 652-660.	2.5	48
61	Crystal structure and spectroscopic studies of bis(N-2-pyridinylcarbonyl-2-pyridinecarboximidato)copper(II) monohydrate. Local bonding effects. <i>Inorganica Chimica Acta</i> , 1989, 159, 11-18.	1.2	47
62	Bases for the synthesis of nanoparticulated silicas with bimodal hierarchical porosity. <i>Solid State Sciences</i> , 2006, 8, 940-951.	1.5	47
63	Prediction of Magnetic Properties in Oxovanadium(IV) Phosphates: The Role of the Bridging PO <sub>4</sub> Anions. <i>Inorganic Chemistry</i> , 1998, 37, 3167-3174.	1.9	46
64	Chromogenic Detection of Nerve Agent Mimics by Mass Transport Control at the Surface of Bifunctionalized Silica Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5945-5948.	7.2	45
65	Selective Chromofluorogenic Sensing of Heparin by using Functionalised Silica Nanoparticles Containing Binding Sites and a Signalling Reporter. <i>Chemistry - A European Journal</i> , 2009, 15, 1816-1820.	1.7	44
66	Very high titanium content mesoporous silicas. <i>Chemical Communications</i> , 2001, , 309-310.	2.2	43
67	Design of Enzyme-Mediated Controlled Release Systems Based on Silica Mesoporous Supports Capped with Ester-Glycol Groups. <i>Langmuir</i> , 2012, 28, 14766-14776.	1.6	43
68	Protection of folic acid through encapsulation in mesoporous silica particles included in fruit juices. <i>Food Chemistry</i> , 2017, 218, 471-478.	4.2	43
69	New Insights of Oral Colonic Drug Delivery Systems for Inflammatory Bowel Disease Therapy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6502.	1.8	43
70	Hierarchical Porous Nanosized Organosilicas. <i>Chemistry of Materials</i> , 2002, 14, 4502-4504.	3.2	42
71	Hybrid functionalised mesoporous silica-polymer composites for enhanced analyte monitoring using optical sensors. <i>Journal of Materials Chemistry</i> , 2008, 18, 5815.	6.7	42
72	Mesoporous Hybrid Materials Containing Nanoscopic Binding Pockets for Colorimetric Anion Signaling in Water by using Displacement Assays. <i>Chemistry - A European Journal</i> , 2009, 15, 9024-9033.	1.7	42

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73	Polyaza and azaoxa macrocyclic receptors functionalised with fluorescent subunits; Hg <sup>2+</sup> selective signalling. Dalton Transactions RSC, 2000, , 1199-1205.	2.3	41
74	Selective opening of nanoscopic capped mesoporous inorganic materials with nerve agent simulants; an application to design chromo-fluorogenic probes. Chemical Communications, 2011, 47, 8313.	2.2	40
75	Amidase-responsive controlled release of antitumoral drug into intracellular media using gluconamide-capped mesoporous silica nanoparticles. Nanoscale, 2012, 4, 7237.	2.8	39
76	Enzyme-responsive Silica Mesoporous Supports Capped with Azopyridinium Salts for Controlled Delivery Applications. Chemistry - A European Journal, 2013, 19, 1346-1356.	1.7	39
77	A new functionalised oligopyridine ligand containing ferrocene as a ball-bearing spacer for metallosupramolecular chemistry. Inorganica Chimica Acta, 1994, 224, 11-14.	1.2	38
78	Encapsulation of folic acid in different silica porous supports: A comparative study. Food Chemistry, 2016, 196, 66-75.	4.2	38
79	Efficient boron removal by using mesoporous matrices grafted with saccharides. Chemical Communications, 2004, , 2198-2199.	2.2	37
80	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
81	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
82	A Photoactivated Molecular Gate. Chemistry - A European Journal, 2012, 18, 12218-12221.	1.7	35
83	Chromogenic silica nanoparticles for the colorimetric sensing of long-chain carboxylates. Chemical Communications, 2008, , 1668.	2.2	33
84	Oligonucleotide-capped mesoporous silica nanoparticles as DNA-responsive dye delivery systems for genomic DNA detection. Chemical Communications, 2015, 51, 1414-1416.	2.2	33
85	Fluorogenic Sensing of Carcinogenic Bisphenol A using Aptamer-capped Mesoporous Silica Nanoparticles. Chemistry - A European Journal, 2017, 23, 8581-8584.	1.7	33
86	A fluorescent chemosensor based on a ruthenium(II)-terpyridine core containing peripheral amino groups that selectively sense ATP in an aqueous environment. Inorganic Chemistry Communication, 2000, 3, 45-48.	1.8	32
87	Spectroscopic studies and crystal structure of bis(N-2-pyridinylcarbonyl-2-pyridinecarboximidato) manganese(II) monohydrate: Zero-field splitting param. Polyhedron, 1990, 9, 2699-2704.	1.0	31
88	Enhanced Efficacy and Broadening of Antibacterial Action of Drugs via the Use of Capped Mesoporous Nanoparticles. Chemistry - A European Journal, 2013, 19, 11167-11171.	1.7	31
89	Polymer Composites Containing Gated Mesoporous Materials for On-Command Controlled Release. ACS Applied Materials & Interfaces, 2014, 6, 6453-6460.	4.0	31
90	Targeting inflammasome by the inhibition of caspase-1 activity using capped mesoporous silica nanoparticles. Journal of Controlled Release, 2017, 248, 60-70.	4.8	31

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91	Tuning the pore size from micro- to meso-porous in thermally stable aluminophosphates. <i>Chemical Communications</i> , 1999, , 333-334.	2.2	30
92	Targeting Innate Immunity with dsRNA- Conjugated Mesoporous Silica Nanoparticles Promotes Antitumor Effects on Breast Cancer Cells. <i>Chemistry - A European Journal</i> , 2016, 22, 1582-1586.	1.7	30
93	Janus Gold Nanostars- Mesoporous Silica Nanoparticles for NIR- Light- Triggered Drug Delivery. <i>Chemistry - A European Journal</i> , 2019, 25, 8471-8478.	1.7	30
94	Synthetic Strategies To Obtain V <sup>IV</sup> O Open Frameworks Containing Organic Species as Structural Directing Agents. Crystal Structure of the V(IV)-Fe(III) Bimetallic Phosphate [H <sub>3</sub> N(CH <sub>2</sub> ) <sub>2</sub> NH <sub>3</sub> ] <sub>2</sub> [H <sub>3</sub> N(CH <sub>2</sub> ) <sub>2</sub> NH <sub>2</sub> ][Fe <sup>III</sup> (H <sub>2</sub> O) <sub>2</sub> (VIVO) <sub>8</sub> (OH) <sub>4</sub> (HPO <sub>4</sub> ) <sub>4</sub> (PO <sub>4</sub> ) <sub>4</sub> ·4H <sub>2</sub> O. <i>Inorganic Chemistry</i> , 1996, 35, 5613-5621.	1.9	29
95	Towards the Loewenstein limit (Si/Al=1) in thermally stable mesoporous aluminosilicates. <i>Chemical Communications</i> , 1999, , 1679-1680.	2.2	29
96	Polylysine- Capped Mesoporous Silica Nanoparticles as Carrier of the C <sub>9</sub> Peptide to Induce Apoptosis in Cancer Cells. <i>Chemistry - A European Journal</i> , 2018, 24, 1890-1897.	1.7	29
97	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. <i>Journal of Catalysis</i> , 2018, 367, 283-295.	3.1	29
98	Chromo-fluorogenic sensing of pyrophosphate in aqueous media using silica functionalised with binding and reactive units. <i>Chemical Communications</i> , 2008, , 6531.	2.2	28
99	Tetrathiafulvalene-Capped Hybrid Materials for the Optical Detection of Explosives. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 1538-1543.	4.0	28
100	Towards the Development of Smart 3D -Gated Scaffolds- for On- Command Delivery. <i>Small</i> , 2014, 10, 4859-4864.	5.2	28
101	Enzyme- Controlled Nanodevice for Acetylcholine- Triggered Cargo Delivery Based on Janus Au- Mesoporous Silica Nanoparticles. <i>Chemistry - A European Journal</i> , 2017, 23, 4276-4281.	1.7	27
102	A NIR light-triggered drug delivery system using core- shell gold nanostars- mesoporous silica nanoparticles based on multiphoton absorption photo-dissociation of 2-nitrobenzyl PEG. <i>Chemical Communications</i> , 2019, 55, 9039-9042.	2.2	27
103	Improving epoxide production using Ti-LVM-7 porous nanosized catalysts. <i>New Journal of Chemistry</i> , 2002, 26, 1093-1095.	1.4	26
104	Enhanced antifungal efficacy of tebuconazole using gated pH-driven mesoporous nanoparticles. <i>International Journal of Nanomedicine</i> , 2014, 9, 2597.	3.3	26
105	Thrombin-Responsive Gated Silica Mesoporous Nanoparticles As Coagulation Regulators. <i>Langmuir</i> , 2016, 32, 1195-1200.	1.6	26
106	New lamellar oxophosphorus derivatives of nickel(II): x-ray powder diffraction structure determinations and magnetic studies of Ni(HPO <sub>3</sub> ).H <sub>2</sub> O, NiCl(H <sub>2</sub> PO <sub>3</sub> ).H <sub>2</sub> O, and Ni <sub>x</sub> Co <sub>1-x</sub> (HPO <sub>3</sub> ).H <sub>2</sub> O solid solutions. <i>Inorganic Chemistry</i> , 1993, 32, 5044-5052.	1.9	25
107	Selective and sensitive chromo-fluorogenic sensing of anionic surfactants in water using functionalised silica nanoparticles. <i>Chemical Communications</i> , 2011, 47, 6873.	2.2	25
108	Pseudorotaxane capped mesoporous silica nanoparticles for 3,4-methylenedioxymethamphetamine (MDMA) detection in water. <i>Chemical Communications</i> , 2017, 53, 3559-3562.	2.2	25

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109	Crystal structure of a new polytype in the Vâ€œPâ€œO system: is Î‰-VOPO4 a dynamically stabilised metastable network?. Journal of Physics and Chemistry of Solids, 2001, 62, 1393-1399.	1.9	24
110	Nanosized Mesoporous Silica Coatings on Ceramic Foams:Â New Hierarchical Rigid Monoliths. Chemistry of Materials, 2007, 19, 1082-1088.	3.2	24
111	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
112	Delivery Modulation in Silica Mesoporous Supports via Alkyl Chain Pore Outlet Decoration. Langmuir, 2012, 28, 2986-2996.	1.6	24
113	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
114	Direct oxidation of isobutane to methacrolein over V-MCM-41 catalysts. Catalysis Today, 2004, 91-92, 43-47.	2.2	23
115	Low-cost materials for boron adsorption from water. Journal of Materials Chemistry, 2012, 22, 25362.	6.7	23
116	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
117	Stability of different mesoporous silica particles during an inÂvitro digestion. Microporous and Mesoporous Materials, 2016, 230, 196-207.	2.2	23
118	Ferrocene containing chelating ligands 3. Synthesis, spectroscopic characterization, electrochemical behaviour and interaction with metal ions of new ligands obtained by condensation of ferrocenecarboxaldehyde with 2-amino-benzoic acid derivatives. Crystal structures of 2-ferrocenylmethylamino-5-methyl-benzoic acid and 2-bis(ferrocenylmethyl)ammonium-5-methyl-benzoic acid perchlorate. Inorganica Chimica Acta, 1995, 231, 45-56.	1.2	22
119	Ordered mesoporous materials: composition and topology control through chemistry. Solid State Sciences, 2001, 3, 1157-1163.	0.8	22
120	A Simple Probe for the Colorimetric Detection of Carbon Dioxide. Chemistry - A European Journal, 2013, 19, 17301-17304.	1.7	22
121	Bactericidal activity of caprylic acid entrapped in mesoporous silica nanoparticles. Food Control, 2015, 56, 77-85.	2.8	22
122	Rapid Biosynthesis of Silver Nanoparticles Using Pepino (Solanum muricatum) Leaf Extract and Their Cytotoxicity on HeLa Cells. Materials, 2016, 9, 325.	1.3	22
123	Colorimetric sensing of pyrophosphate in aqueous media using bis-functionalised silica surfaces. Dalton Transactions, 2009, , 4806.	1.6	21
124	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
125	A new approach for the selective and sensitive colorimetric detection of ionic surfactants in water. Journal of Materials Chemistry, 2010, 20, 1442-1451.	6.7	20
126	Potentiometric thick-film sensors for measuring the pH of concrete. Cement and Concrete Composites, 2016, 68, 66-76.	4.6	20



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127	Two New Fluorogenic Aptasensors Based on Capped Mesoporous Silica Nanoparticles to Detect Ochratoxin...A. <i>ChemistryOpen</i> , 2017, 6, 653-659.	0.9	20
128	Highly selective and sensitive chromo-fluorogenic detection of the Tetryl explosive using functional silica nanoparticles. <i>Chemical Communications</i> , 2011, 47, 11885.	2.2	19
129	Heterogeneous Gold Catalyst: Synthesis, Characterization, and Application in 1,4-Addition of Boronic Acids to Enones. <i>ACS Catalysis</i> , 2015, 5, 5060-5067.	5.5	19
130	Improving the Antimicrobial Power of Low-Effective Antimicrobial Molecules Through Nanotechnology. <i>Journal of Food Science</i> , 2018, 83, 2140-2147.	1.5	18
131	Synthetic Pathways for New Tubular Transition Metal Hydroxo- and Fluoro-Selenites: Crystal Structures of $M_2(X)_2(SeO_3)_8(OH)_6$ ( $M=Co^{2+}, Ni^{2+}; X=OH^{\sim}$ ). <i>Journal of Solid State Chemistry</i> , 1996, 126, 169-176.	1.4	17
132	A model for the assessment of interfering processes in Faradic electrodes. <i>Sensors and Actuators A: Physical</i> , 2008, 142, 56-60.	2.0	17
133	Enrichment of stirred yogurts with folic acid encapsulated in pH-responsive mesoporous silica particles: Bioaccessibility modulation and physico-chemical characterization. <i>LWT - Food Science and Technology</i> , 2016, 72, 351-360.	2.5	17
134	Surface Enhanced Raman Scattering and Gated Materials for Sensing Applications: The Ultrasensitive Detection of <i>Mycoplasma</i> and Cocaine. <i>Chemistry - A European Journal</i> , 2016, 22, 13488-13495.	1.7	17
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