Thibaud Coradin

List of Publications by Year
in descending order

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235	9,853	34493	54771
papers	citations	54	88
		h-index	g-index

258	258	258	11151
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sol-Gel Process, Structure, and Properties. , 2022, , 497-516.		1
2	Combining sclerostin neutralization with tissue engineering: An improved strategy for craniofacial bone repair. Acta Biomaterialia, 2022, 140, 178-189.	4.1	7
3	Synthesis of Fibrin-Type I Collagen Biomaterials via an Acidic Gel. Molecules, 2022, 27, 2099.	1.7	1
4	Biomimetic Silk Macroporous Materials for Drug Delivery Obtained via Ice-Templating. ACS Applied Bio Materials, 2022, 5, 2556-2566.	2.3	6
5	Multivalent Clustering of Adhesion Ligands in Nanofiber-Nanoparticle Composites. Acta Biomaterialia, 2021, 119, 303-311.	4.1	11
6	Baicalein-modified hydroxyapatite nanoparticles and coatings with antibacterial and antioxidant properties. Materials Science and Engineering C, 2021, 118, 111537.	3.8	47
7	Nanostructured Dense Collagenâ€Polyester Composite Hydrogels as Amphiphilic Platforms for Drug Delivery. Advanced Science, 2021, 8, 2004213.	5.6	40
8	Magnetic Field Alignment, a Perspective in the Engineering of Collagen-Silica Composite Biomaterials. Biomolecules, 2021, 11, 749.	1.8	6
9	Cellulose Nanocrystalâ€“Fibrin Nanocomposite Hydrogels Promoting Myotube Formation. Biomacromolecules, 2021, 22, 2740-2753.	2.6	11
10	Mapping amine functions at nanosurfaces using colloidal gold conjugation. Applied Surface Science, 2021, 566, 150689.	3.1	2
11	Contributions of photochemistry to bio-based antibacterial polymer materials. Journal of Materials Chemistry B, 2021, 9, 9624-9641.	2.9	8
12	Differentiation of neural-type cells on multi-scale ordered collagen-silica bionanocomposites. Biomaterials Science, 2020, 8, 569-576.	2.6	9
13	Magnetically-oriented type I collagen-SiO2@Fe3O4 rods composite hydrogels tuning skin cell growth. Colloids and Surfaces B: Biointerfaces, 2020, 185, 110597.	2.5	24
14	Interactions of Calcium with Chlorogenic and Rosmarinic Acids: An Experimental and Theoretical Approach. International Journal of Molecular Sciences, 2020, 21, 4948.	1.8	11
15	Self-assembly/condensation interplay in nano-to-microfibrillar silicified fibrin hydrogels. International Journal of Biological Macromolecules, 2020, 164, 1422-1431.	3.6	11
16	Type I Collagen-Fibrin Mixed Hydrogels: Preparation, Properties and Biomedical Applications. Gels, 2020, 6, 36.	2.1	27
17	Unveiling Cellsâ€™ Local Environment during Cryopreservation by Correlative In Situ Spatial and Thermal Analyses. Journal of Physical Chemistry Letters, 2020, 11, 7730-7738.	2.1	6
18	USPIOâ€“PEG nanoparticles functionalized with a highly specific collagen-binding peptide: a step towards MRI diagnosis of fibrosis. Journal of Materials Chemistry B, 2020, 8, 5515-5528.	2.9	11

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19	Plant cell wall inspired xyloglucan/cellulose nanocrystals aerogels produced by freeze-casting. Carbohydrate Polymers, 2020, 247, 116642.	5.1	38
20	Sol-Gel Process, Structure, and Properties. , 2020, , 1-20.		0
21	Interactions of Organosilanes with Fibrinogen and Their Influence on Muscle Cell Proliferation in 3D Fibrin Hydrogels. Biomacromolecules, 2019, 20, 3684-3695.	2.6	6
22	Dual internal functionalization of imogolite nanotubes as evidenced by optical properties of Nile red. Applied Clay Science, 2019, 178, 105133.	2.6	17
23	Exploring the cellâ€“proteinâ€“mineral interfaces: Interplay of silica (nano)rods@collagen biocomposites with human dermal fibroblasts. Materials Today Bio, 2019, 1, 100004.	2.6	7
24	Topotactic Fibrillogenesis of Freeze-Cast Microridged Collagen Scaffolds for 3D Cell Culture. ACS Applied Materials & Interfaces, 2019, 11, 14672-14683.	4.0	46
25	Photoinduced chitosanâ€“PEG hydrogels with long-term antibacterial properties. Journal of Materials Chemistry B, 2019, 7, 6526-6538.	2.9	33
26	Picosecond ultrasounds as elasticity probes in neuron-like cells models. Applied Physics Letters, 2019, 115, 213701.	1.5	12
27	Bi-layered silane-TiO2/collagen coating to control biodegradation and biointegration of Mg alloys. Materials Science and Engineering C, 2019, 94, 126-138.	3.8	22
28	Preliminary Evaluation of Median Lethal Concentrations of StÃ¶ber Silica Particles with Various Sizes and Surface Functionalities Towards Fibroblast Cells. Silicon, 2019, 11, 2307-2312.	1.8	4
29	Modulating inflammation in a cutaneous chronic wound model by IL-10 released from collagenâ€“silica nanocompositesviagene delivery. Biomaterials Science, 2018, 6, 398-406.	2.6	38
30	Zinc oxide-hydroxyapatite nanocomposite photocatalysts for the degradation of ciprofloxacin and ofloxacin antibiotics. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 539, 364-370.	2.3	69
31	Advanced Pd/CexZr(1â^'x)O2/MCM-41 catalysts for methane combustion: Effect of the zirconium and cerium loadings. Microporous and Mesoporous Materials, 2018, 260, 93-101.	2.2	13
32	Silica immobilization of Geobacter sulfurreducens for constructing readyâ€toâ€use artificial bioelectrodes. Microbial Biotechnology, 2018, 11, 39-49.	2.0	27
33	Optical microalgal biosensors for aqueous contaminants using organically doped silica as cellular hosts. Analytical and Bioanalytical Chemistry, 2018, 410, 1205-1216.	1.9	10
34	Effect of anode polarization on biofilm formation and electron transfer in Shewanella oneidensis /graphite felt microbial fuel cells. Bioelectrochemistry, 2018, 120, 1-9.	2.4	44
35	Hybrid coatings with collagen and chitosan for improved bioactivity of Mg alloys. Surface and Coatings Technology, 2018, 341, 103-113.	2.2	35
36	Extracellular versus Intracellular Degradation of Nanostructured Silica Particles. Langmuir, 2018, 34, 406-415.	1.6	19

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37	Exploring Hybrid Imogolite Nanotube Formation via Si/Al Stoichiometry Control. Langmuir, 2018, 34, 13225-13234.	1.6	19
38	MnO₂-gated Nanoplatforms with Targeted Controlled Drug Release and Contrast-Enhanced MRI Properties: from 2D Cell Culture to 3D Biomimetic Hydrogels. Nanotheranostics, 2018, 2, 403-416.	2.7	22
39	An optical catechol biosensor based on a desert truffle tyrosinase extract immobilized into a solâ€“gel silica layered matrix. Journal of Sol-Gel Science and Technology, 2018, 86, 675-681.	1.1	7
40	Magnetic-field induced rotation of magnetosome chains in silicified magnetotactic bacteria. Scientific Reports, 2018, 8, 7699.	1.6	19
41	Ice-templating beet-root pectin foams: Controlling texture, mechanics and capillary properties. Chemical Engineering Journal, 2018, 350, 20-28.	6.6	20
42	A flexible polymerâ€“nanoparticle hybrid material containing triazole-based Fe(<scp>ii</scp>) with spin crossover properties for magneto-optical applications. Inorganic Chemistry Frontiers, 2018, 5, 2140-2147.	3.0	6
43	Encapsulation of Enzymes, Antibodies, and Bacteria. , 2018, , 2909-2931.		4
44	Collagen-silica nanocomposites as dermal dressings preventing infection in vivo. Materials Science and Engineering C, 2018, 93, 170-177.	3.8	43
45	The physics and chemistry of silica-in-silicates nanocomposite hydrogels and their phycocompatibility. Journal of Materials Chemistry B, 2017, 5, 2931-2940.	2.9	7
46	Silica nanoparticles as sources of silicic acid favoring wound healing in vitro. Colloids and Surfaces B: Biointerfaces, 2017, 155, 530-537.	2.5	79
47	An Allâ€inâ€One Molecule for the Oneâ€Step Synthesis of Functional Hybrid Silica Particles with Tunable Sizes. European Journal of Inorganic Chemistry, 2017, 2017, 5047-5051.	1.0	1
48	Preserving the spin transition properties of iron-triazole coordination polymers within silica-based nanocomposites. Journal of Materials Chemistry C, 2017, 5, 11542-11550.	2.7	12
49	Oil shale powders and their interactions with ciprofloxacin, ofloxacin, and oxytetracycline antibiotics. Environmental Science and Pollution Research, 2017, 24, 25977-25985.	2.7	9
50	Eosin-mediated synthesis of polymer coatings combining photodynamic inactivation and antimicrobial properties. Journal of Materials Chemistry B, 2017, 5, 7572-7582.	2.9	16
51	Encapsulation of Enzymes, Antibodies, and Bacteria. , 2017, , 1-23.		3
52	A Solid State NMR Investigation of Recent Marine Siliceous Sponge Spicules. Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142	0.8	6
53	Growth of gold nanoparticles at gelatin-silica bio-interfaces. APL Materials, 2016, 4, 015704.	2.2	0
54	Silica coreâ€“shell particles for the dual delivery of gentamicin and rifamycin antibiotics. Journal of Materials Chemistry B, 2016, 4, 3135-3144.	2.9	49

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55	Behaviour of hybrid inside/out Janus nanotubes at an oil/water interface. A route to self-assembled nanofluidics?. Faraday Discussions, 2016, 191, 391-406.	1.6	16
56	Design and Cellular Fate of Bioinspired Auâ€“Ag Nanoshells@Hybrid Silica Nanoparticles. Langmuir, 2016, 32, 10073-10082.	1.6	21
57	Cellularized Cellular Solids via Freezeâ€Casting. Macromolecular Bioscience, 2016, 16, 182-187.	2.1	16
58	Silane/TiO2 coating to control the corrosion rate of magnesium alloys in simulated body fluid. Corrosion Science, 2016, 104, 152-161.	3.0	85
59	Design of cytocompatible bacteria-repellent bio-based polyester films via an aqueous photoactivated process. Journal of Materials Chemistry B, 2016, 4, 2842-2850.	2.9	7
60	Nanoscale conversion of chlorapatite into hydroxyapatite using ultrasound irradiation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 495, 187-192.	2.3	12
61	Improvement of kinetics, yield, and colloidal stability of biogenic gold nanoparticles using living cells of Euglena gracilis microalga. Journal of Nanoparticle Research, 2016, 18, 1.	0.8	61
62	Understanding and Tuning Bioinorganic Interfaces for the Design of Bionanocomposites. European Journal of Inorganic Chemistry, 2015, 2015, 4463-4480.	1.0	7
63	Evaluation of Hydrophilized Graphite Felt for Electrochemical Heavy Metals Detection (Pb²⁺, Hg²⁺). International Journal of Electrochemistry, 2015, 2015, 1-7.	2.4	6
64	Silica@proton-alginate microreactors: a versatile platform for cell encapsulation. Journal of Materials Chemistry B, 2015, 3, 3189-3194.	2.9	17
65	Second Harmonic Generation quantitative measurements on collagen fibrils through correlation to electron microscopy. Proceedings of SPIE, 2015, , .	0.8	0
66	Evaluation of dense collagen matrices as medicated wound dressing for the treatment of cutaneous chronic wounds. Biomaterials Science, 2015, 3, 373-382.	2.6	68
67	Local and Sustained Gene Delivery in Silica-Collagen Nanocomposites. ACS Applied Materials & Interfaces, 2015, 7, 2503-2511.	4.0	37
68	Dyeâ€“collagen interactions. Mechanism, kinetic and thermodynamic analysis. RSC Advances, 2015, 5, 57395-57405.	1.7	13
69	Hierarchically-organized, well-dispersed hydroxyapatite-coated magnetic carbon with combined organics and inorganics removal properties. Chemical Engineering Journal, 2015, 275, 152-159.	6.6	22
70	Parameters influencing ciprofloxacin, ofloxacin, amoxicillin and sulfamethoxazole retention by natural and converted calcium phosphates. Journal of Hazardous Materials, 2015, 291, 38-44.	6.5	28
71	An aqueous one-pot route to gold/quantum rod heterostructured nanoparticles functionalized with DNA. Chemical Communications, 2015, 51, 16119-16122.	2.2	3
72	Impact of Polyethylenimine Conjugation Mode on the Cell Transfection Efficiency of Silica Nanovectors. Langmuir, 2015, 31, 11078-11085.	1.6	13

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73	Porous hydroxyapatite-TiO2 nanocomposites from natural phosphates and their decolorization properties. European Physical Journal: Special Topics, 2015, 224, 1861-1869.	1.2	7
74	Characterization of head and body phantoms for radiofrequency dosimetry, up to 6 GHz. , 2015, , .		0
75	Magnetically recoverable iron oxideâ€“hydroxyapatite nanocomposites for lead removal. International Journal of Environmental Science and Technology, 2015, 12, 1173-1182.	1.8	19
76	Immobilization of Proteins in Biopolymer-Silica Hybrid Materials: Functional Properties and Applications. Current Organic Chemistry, 2015, 19, 1669-1676.	0.9	4
77	Sol-gel Encapsulation of Biomolecules and Cells for Medicinal Applications. Current Topics in Medicinal Chemistry, 2015, 15, 223-244.	1.0	52
78	Design of Magnetic Gelatine/Silica Nanocomposites by Nanoemulsification: Encapsulation versus in Situ Growth of Iron Oxide Colloids. Nanomaterials, 2014, 4, 612-627.	1.9	12
79	Self-Assembly in Biosilicification and Biotemplated Silica Materials. Nanomaterials, 2014, 4, 792-812.	1.9	33
80	Magnetization analysis of oriented chains of hexagonal cobalt nanoplates. Journal of Applied Physics, 2014, 115, 17B521.	1.1	1
81	Design of gold nanoshells via a gelatin-mediated self-assembly of gold nanoparticles on silica cores. RSC Advances, 2014, 4, 63234-63237.	1.7	6
82	Correlating biological methods to assess Escherichia coli bacteria viability in silica gels. Analytical Methods, 2014, 6, 2429.	1.3	8
83	Surface reactivity of hydroxyapatite nanocoatings deposited on iron oxide magnetic spheres toward toxic metals. Journal of Colloid and Interface Science, 2014, 417, 1-8.	5.0	34
84	Fibrillogenesis from nanosurfaces: multiphoton imaging and stereological analysis of collagen 3D self-assembly dynamics. Soft Matter, 2014, 10, 6651-6657.	1.2	13
85	Behaviour of silica nanoparticles in dermis-like cellularized collagen hydrogels. Biomaterials Science, 2014, 2, 484-492.	2.6	8
86	Determination of collagen fibril size via absolute measurements of second-harmonic generation signals. Nature Communications, 2014, 5, 4920.	5.8	107
87	A global approach of the mechanism involved in the biosynthesis of gold colloids using micro-algae. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	71
88	Hybrids and biohybrids as green materials for a blue planet. Journal of Sol-Gel Science and Technology, 2014, 70, 263-271.	1.1	14
89	One-Step Introduction of Broad-Band Mesoporosity in Silica Particles Using a Stimuli-Responsive Bioderived Glycolipid. ACS Sustainable Chemistry and Engineering, 2014, 2, 512-522.	3.2	4
90	Antibiotic-loaded silica nanoparticleâ€“collagen composite hydrogels with prolonged antimicrobial activity for wound infection prevention. Journal of Materials Chemistry B, 2014, 2, 4660.	2.9	152

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91	Organo-apatites for lead removal from aqueous solutions: A comparison between carboxylic acid and aminophosphonate surface modification. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 419, 180-185.	2.3	34
92	First extraction of polyphenol oxidase from edible desert truffle (Terfezia leonis Tul.) and its thermal behavior. European Food Research and Technology, 2013, 237, 721-729.	1.6	11
93	Facile synthesis and magnetic characterizations of single-crystalline hexagonal cobalt nanoplates. Materials Letters, 2013, 94, 121-123.	1.3	3
94	Preparation of aqueous solâ€“gel silica and titania multi-layered thin films and their evaluation as biomolecular encapsulation hosts. Journal of Materials Chemistry B, 2013, 1, 1235.	2.9	4
95	Immobilization of a Polyphenol Oxidase Extract from Terfezia leonis Tul. Desert Truffle in Multilayered Silica Films for Dopamine Biosensing. Silicon, 2013, 5, 241-246.	1.8	7
96	Reversible bioresponsive aptamer-based nanocomposites: ATP binding and removal from DNA-grafted silica nanoparticles. Journal of Materials Chemistry B, 2013, 1, 5353.	2.9	10
97	Bio-inspired silicaâ€“collagen materials: applications and perspectives in the medical field. Biomaterials Science, 2013, 1, 688.	2.6	82
98	Introduction of disulfide bridges within silica nanoparticles to control their intra-cellular degradation. Chemical Communications, 2013, 49, 3410.	2.2	42
99	Silicaâ€“carbon hydrogels as cytocompatible bioelectrodes. Journal of Materials Chemistry B, 2013, 1, 606-609.	2.9	13
100	Mass Transport Properties of Silicified Graphite Felt Electrodes. Journal of Physical Chemistry C, 2013, 117, 15918-15923.	1.5	9
101	Second Harmonic Generation imaging of collagen fibrillogenesis. , 2013, , .		0
102	In situ three-dimensional monitoring of collagen fibrillogenesis using SHG microscopy. Biomedical Optics Express, 2012, 3, 1446.	1.5	23
103	Nanocomposites from biopolymer hydrogels: Blueprints for white biotechnology and green materials chemistry. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 669-680.	2.4	62
104	Lead and zinc removal from aqueous solutions by aminotriphosphonate-modified converted natural phosphates. Chemical Engineering Journal, 2012, 211-212, 233-239.	6.6	22
105	A general route to nanostructured M[V3O8] and Mx[V6O16] (x = 1 and 2) and their first evaluation for building enzymatic biosensors. Journal of Materials Chemistry, 2012, 22, 15291.	6.7	11
106	Biosurfactant-mediated one-step synthesis of hydrophobic functional imogolite nanotubes. RSC Advances, 2012, 2, 426-435.	1.7	20
107	Controlling the nanoâ€“bio interface to build collagenâ€“silica self-assembled networks. Nanoscale, 2012, 4, 7127.	2.8	44
108	DWCNT-Doped Silica Gel Exhibiting Both Ionic and Electronic Conductivities. Journal of Physical Chemistry C, 2012, 116, 11306-11314.	1.5	12

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109	Biochemical Investigation of the Formation of Three-Dimensional Networks from DNA-Grafted Large Silica Particles. Langmuir, 2012, 28, 2156-2165.	1.6	27
110	Design and properties of biopolymerâ€“silica hybrid materials: The example of pectin-based biodegradable hydrogels. Pure and Applied Chemistry, 2012, 84, 2521-2529.	0.9	21
111	Kinetics and Thermodynamics of the Thermal Inactivation of Polyphenol Oxidase in an Aqueous Extract from Agaricus bisporus. Journal of Agricultural and Food Chemistry, 2012, 60, 500-506.	2.4	72
112	Living materials from solâ€“gel chemistry: current challenges and perspectives. Journal of Materials Chemistry, 2012, 22, 22335.	6.7	58
113	Biopolymer folding driven nanoparticle reorganization in bio-nanocomposites. Soft Matter, 2012, 8, 2930.	1.2	19
114	Bacteria survival and growth in multi-layered silica thin films. Journal of Materials Chemistry, 2012, 22, 12457.	6.7	18
115	Influence of Silicification on the Structural and Biological Properties of Bufferâ€Mediated Collagen Hydrogels. Advanced Engineering Materials, 2012, 14, B51.	1.6	9
116	Species selection for the design of gold nanobioreactor by photosynthetic organisms. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	55
117	Elaboration, Stability and Enzymatic Degradation of Hydroxypropylcellulose/Polysiloxane Biocomposite Membranes. Silicon, 2012, 4, 79-84.	1.8	2
118	Intracellular biosynthesis of superparamagnetic 2-lines ferri-hydrite nanoparticles using Euglena gracilis microalgae. Colloids and Surfaces B: Biointerfaces, 2012, 93, 20-23.	2.5	42
119	Long-term fate of silica nanoparticles interacting with human dermal fibroblasts. Biomaterials, 2012, 33, 4431-4442.	5.7	59
120	Recycling and adaptation of Klebsormidium flaccidum microalgae for the sustained production of gold nanoparticles. Biotechnology and Bioengineering, 2012, 109, 284-288.	1.7	57
121	Improving silica matrices for encapsulation of Escherichiacoli using osmoprotectors. Journal of Materials Chemistry, 2011, 21, 4546.	6.7	37
122	CeO₂ Nanoparticles for the Protection of Photosynthetic Organisms Immobilized in Silica Gels. Chemistry of Materials, 2011, 23, 1374-1378.	3.2	53
123	In vitro Studies and Preliminary In vivo Evaluation of Silicified Concentrated Collagen Hydrogels. ACS Applied Materials & Interfaces, 2011, 3, 3831-3838.	4.0	49
124	Improving bacteria viability in metal oxide hosts via an alginate-based hybrid approach. Journal of Materials Chemistry, 2011, 21, 8026.	6.7	18
125	Ultrasound-Assisted Synthesis of Mesoporous Zirconia-Hydroxyapatite Nanocomposites and Their Dual Surface Affinity for Cr³⁺/Cr₂O₇^{2â€“} Ions. Langmuir, 2011, 27, 15176-15184.	1.6	18
126	Possibilities and limitations of preparing silica/collagen/hydroxyapatite composite xerogels as load-bearing biomaterials. Composites Science and Technology, 2011, 71, 1873-1880.	3.8	51

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127	Mesostructured silica from amino acid-based surfactant formulations and sodium silicate at neutral pH. Journal of Sol-Gel Science and Technology, 2011, 58, 170-174.	1.1	13
128	How to design cell-based biosensors using the solâ€“gel process. Analytical and Bioanalytical Chemistry, 2011, 400, 965-976.	1.9	53
129	Synthesis and Characterization of Mesoporous Hybrid Silica-Polyacrylamide Aerogels and Xerogels. Silicon, 2011, 3, 63-75.	1.8	28
130	Hydrazine-induced thermo-reversible optical shifts in silverâ€“gelatin bionanocomposites. Chemical Physics Letters, 2011, 505, 37-41.	1.2	8
131	Recent Patents on the Synthesis and Application of Silica Nanoparticles for Drug Delivery. Recent Patents on Biotechnology, 2011, 5, 54-61.	0.4	24
132	Silica-Based Nanoparticles for Intracellular Drug Delivery. Fundamental Biomedical Technologies, 2011, , 333-361.	0.2	2
133	Silica/alginate bio-nanocomposites. , 2011, , 166-188.		0
134	Nanostructuration of titania films prepared by selfâ€assembly to affect cell adhesion. Journal of Biomedical Materials Research - Part A, 2010, 93A, 96-106.	2.1	8
135	Silicaâ€“collagen bionanocomposites as three-dimensional scaffolds for fibroblast immobilization. Acta Biomaterialia, 2010, 6, 3998-4004.	4.1	94
136	Pyridine and phenol removal using natural and synthetic apatites as low cost sorbents: Influence of porosity and surface interactions. Journal of Hazardous Materials, 2010, 181, 736-741.	6.5	63
137	Nanoporous surface of organofunctionalized hydroxyapatite fabricated from natural phosphate rock. Materials Letters, 2010, 64, 2679-2681.	1.3	21
138	Reactionâ€“diffusion based co-synthesis of stable Î±- and Î²-cobalt hydroxide in bio-organic gels. Journal of Crystal Growth, 2010, 312, 856-862.	0.7	24
139	Conversion of natural phosphate rock into mesoporous hydroxyapatite for heavy metals removal from aqueous solution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 362, 33-38.	2.3	49
140	Bacteria encapsulation in colloidal inorganic matrices: Is it a general method?. Comptes Rendus Chimie, 2010, 13, 52-57.	0.2	7
141	Nonâ€destructive investigation of fibronectin adsorption on titanium surfaces using PMâ€RAIRS: effect of surface hydroxylation. Surface and Interface Analysis, 2010, 42, 466-470.	0.8	3
142	In situgrowth of gold colloids within alginate films. Nanotechnology, 2010, 21, 185605.	1.3	27
143	Role of carboxylate chelating agents on the chemical, structural and textural properties of hydroxyapatite. Dalton Transactions, 2010, 39, 10644.	1.6	45
144	Assembling Vanadium(V) Oxide and Gelatin into Novel Bionanocomposites with Unexpected Rubber-like Properties. Chemistry of Materials, 2010, 22, 398-408.	3.2	24

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145	In Vivo Inspired Conditions to Synthesize Biomimetic Hydroxyapatite. Chemistry of Materials, 2010, 22, 3653-3663.	3.2	113
146	Fibroblast encapsulation in hybrid silicaâ€“collagen hydrogels. Journal of Materials Chemistry, 2010, 20, 666-668.	6.7	62
147	Nano-gold biosynthesis by silica-encapsulated micro-algae: a â€œlivingâ€•bio-hybrid material. Journal of Materials Chemistry, 2010, 20, 9342.	6.7	85
148	Inhibition Kinetics of Agaricus bisporus (J.E. Lange) Imbach Polyphenol Oxidase~!2009-08-11~!2009-11-20~!2010-03-12~!. The Open Enzyme Inhibition Journal, 2010, 3, 1-7.	2.0	12
149	Rheological studies of diatom encapsulation in silica gel. Journal of Sol-Gel Science and Technology, 2009, 50, 164-169.	1.1	10
150	Nostoc calcicola Immobilized in Silica-coated Calcium Alginate and Silica Gel for Applications in Heavy Metal Biosorption. Silicon, 2009, 1, 215-223.	1.8	32
151	A novel process for the fabrication of nanoporous apatites from Moroccan phosphate rock. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 350, 73-78.	2.3	47
152	Introducing ecodesign in silica solâ€“gel materials. Journal of Materials Chemistry, 2009, 19, 8537.	6.7	128
153	Adsorption of phenol from an aqueous solution by selected apatite adsorbents: Kinetic process and impact of the surface properties. Water Research, 2009, 43, 313-318.	5.3	74
154	Bacteria encapsulation in a magnetic solâ€“gel matrix. Journal of Materials Chemistry, 2009, 19, 1241.	6.7	21
155	Photosynthetic Microorganism-Mediated Synthesis of Akaganeite (Î²-FeOOH) Nanorods. Langmuir, 2009, 25, 10062-10067.	1.6	46
156	Influence of cyclic polyamines on silica formation during the StÃ¶ber process. Physical Chemistry Chemical Physics, 2009, 11, 10204.	1.3	8
157	Organically modified porous hydroxyapatites: A comparison between alkylphosphonate grafting and citrate chelation. Journal of Solid State Chemistry, 2008, 181, 848-854.	1.4	21
158	Contribution of multi-nuclear solid state NMR to the characterization of the Thalassiosira pseudonana diatom cell wall. Analytical and Bioanalytical Chemistry, 2008, 390, 1889-1898.	1.9	61
159	Biomimetic dual templating of silica by polysaccharide/protein assemblies. Colloids and Surfaces B: Biointerfaces, 2008, 65, 140-145.	2.5	28
160	Influence of Decavanadate Clusters on the Rheological Properties of Gelatin. Journal of Physical Chemistry B, 2008, 112, 12596-12605.	1.2	21
161	A green route to silicananoparticles with tunable size and structure. Green Chemistry, 2008, 10, 183-190.	4.6	24
162	Aqueous sol-gel routes to bio-composite capsules and gels. Green Chemistry, 2008, 10, 957.	4.6	27

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163	First example of biopolymerâ€“polyoxometalate complex coacervation in gelatinâ€“decavanadate mixtures. Soft Matter, 2008, 4, 735.	1.2	32
164	Room temperature solâ€“gel synthesis of crystalline Cs[V3O8]. Probing the hydration level of the interlamellar space by 51V and 133Cs MAS NMR spectroscopy. Journal of Materials Chemistry, 2008, 18, 3702.	6.7	14
165	Modification of the StÃ¶ber Process by a Polyazamacrocycle Leading to Unusual Coreâ^'Shell Silica Nanoparticles. Langmuir, 2008, 24, 4026-4031.	1.6	22
166	Evaluation of Cationic Biopolymers for the Design of Silica-coated Alginate Capsules. Materials Research Society Symposia Proceedings, 2007, 1007, 1.	0.1	3
167	Influence of Lysozyme on the Biomimetic Growth of Silica Tubes in Porous Membranes. Materials Research Society Symposia Proceedings, 2007, 1008, 1.	0.1	0
168	Stability of Mesoporous Oxide and Mixed Metal Oxide Materials under Biologically Relevant Conditions. Chemistry of Materials, 2007, 19, 4349-4356.	3.2	146
169	Solâ€“gel encapsulation of cells is not limited to silica: long-term viability of bacteria in alumina matrices. Chemical Communications, 2007, , 4015.	2.2	46
170	Alginate-Mediated Growth of Co, Ni, and CoNi Nanoparticles:Â Influence of the Biopolymer Structure. Chemistry of Materials, 2007, 19, 1190-1198.	3.2	118
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