Eduardo Ruiz-Hitzky

List of Publications by Year
in descending order

261	12,461	16775	25668
papers	citations	59 h-index	101 g-index

277	277	277	9773
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Graphene-like materials supported on sepiolite clay synthesized at relatively low temperature. Carbon, 2024, 218, 118767.	10.4	4
2	Impact of Increased Sonication-Induced Dispersion of Sepiolite on Its Interaction with Biological Macromolecules and Toxicity/Proliferation in Human Cells. ACS Omega, 2023, 8, 1026-1036.	4.4	1
3	Nanoarchitectonics to entrap living cells in silica-based systems: encapsulations with yolkâ€“shell and sepiolite nanomaterials. Beilstein Journal of Nanotechnology, 2023, 14, 522-534.	2.5	3
4	Effect of the combined addition of ultrasonicated kraft lignin and montmorillonite on hydroxypropyl methylcellulose bionanocomposites. Nanoscale Advances, 2023, 5, 4107-4123.	4.5	1
5	Magnetite-sepiolite nanoarchitectonics for improving zein-based bionanocomposite foams. Dalton Transactions, 2023, 52, 16951-16962.	3.2	3
6	MXenes vs. clays: emerging and traditional 2D layered nanoarchitectonics. Nanoscale, 2023, 15, 18959-18979.	5.1	10
7	MXenes and Clay Minerals in the Framework of the 2D Organicâ€“Inorganic Hybrid Nanomaterials. Chemistry of Materials, 2023, 35, 10295-10315.	6.9	5
8	Gentamicin-Montmorillonite Intercalation Compounds as an Active Component of Hydroxypropylmethylcellulose Bionanocomposite Films with Antimicrobial Properties. Clays and Clay Minerals, 2022, 69, 576-588.	2.0	9
9	Green Carbon Nanostructures for Functional Composite Materials. International Journal of Molecular Sciences, 2022, 23, 1848.	4.5	19
10	MXeneâ€Enhanced Chitin Composite Sponges with Antibacterial and Hemostatic Activity for Wound Healing. Advanced Healthcare Materials, 2022, 11, .	8.9	50
11	Tailoring the properties of nanocellulose-sepiolite hybrid nanopapers by varying the nanocellulose type and clay content. Cellulose, 2022, 29, 5265-5287.	4.4	13
12	Composite Nanoarchitectonics: Alginate Beads Encapsulating Sepiolite/Magnetite/Prussian Blue for Removal of Cesium Ions from Water. Bulletin of the Chemical Society of Japan, 2021, 94, 122-132.	3.9	44
13	Sepiolite-Hydrogels: Synthesis by Ultrasound Irradiation and Their Use for the Preparation of Functional Clay-Based Nanoarchitectured Materials. Frontiers in Chemistry, 2021, 9, .	3.6	21
14	Hydrophobic composite foams based on nanocellulose-sepiolite for oil sorption applications. Journal of Hazardous Materials, 2021, 417, 126068.	12.4	38
15	Pod-inspired MXene/porous carbon microspheres with ultrahigh adsorption capacity towards crystal violet. Chemical Engineering Journal, 2021, 426, 130776.	11.9	60
16	Functional biohybrid materials based on halloysite, sepiolite and cellulose nanofibers for health applications. Dalton Transactions, 2020, 49, 3830-3840.	3.2	55
17	Responses of human cells to sepiolite interaction. Applied Clay Science, 2020, 194, 105655.	5.5	10
18	Nanotechnology Responses to COVIDâ€19. Advanced Healthcare Materials, 2020, 9, .	8.9	136

#	Article	IF	Citations
19	Graphene Derivatives in Biopolymer-Based Composites for Food Packaging Applications. Nanomaterials, 2020, 10, 2077.	4.2	49
20	Biotechnological applications of the sepiolite interactions with bacteria: Bacterial transformation and DNA extraction. Applied Clay Science, 2020, 191, 105613.	5.5	15
21	Chitosan and pectin coreâ€“shell beads encapsulating metforminâ€“clay intercalation compounds for controlled delivery. New Journal of Chemistry, 2020, 44, 10102-10110.	2.5	33
22	Ultrasound-assisted preparation of nanocomposites based on fibrous clay minerals and nanocellulose from microcrystalline cellulose. Applied Clay Science, 2020, 189, 105538.	5.5	17
23	Zein-layered hydroxide biohybrids: strategies of synthesis and characterization. Materials, 2020, 13, 825.	2.9	8
24	Theoretical and experimental investigation on the intercalation of metformin into layered clay minerals. Applied Clay Science, 2020, 186, 105418.	5.5	18
25	Improving the Impact Factor of Recent Patents on Nanotechnology. Recent Patents on Nanotechnology, 2020, 14, 2-2.	1.8	0
26	Research and Patents on Coronavirus and COVID-19: A Review. Recent Patents on Nanotechnology, 2020, 14, 328-350.	1.8	6
27	Multicomponent bionanocomposites based on clay nanoarchitectures for electrochemical devices. Beilstein Journal of Nanotechnology, 2019, 10, 1303-1315.	2.5	25
28	Photoactive nanoarchitectures based on clays incorporating TiO‹sub›2‹/sub›and ZnO nanoparticles. Beilstein Journal of Nanotechnology, 2019, 10, 1140-1156.	2.5	57
29	Interdiffusive Surfactant Procedure for the Preparation of Nanoarchitectured Porous Films: Application to the Growth of Titania Thin Films on Silicon Substrates. Langmuir, 2019, 35, 7169-7174.	3.8	1
30	2018 Annual Report on Recent Patents on Nanotechnology. Recent Patents on Nanotechnology, 2019, 13, 2-2.	1.8	0
31	Amelioration of PEMFC performance at high temperature by incorporation of nanofiller (sepiolite/layered double hydroxide) in Nafion membrane. International Journal of Hydrogen Energy, 2019, 44, 10666-10676.	9.2	33
32	Clay-Based Biohybrid Materials for Biomedical and Pharmaceutical Applications. Clays and Clay Minerals, 2019, 67, 44-58.	2.0	23
33	Silica-layered double hydroxide nanoarchitectured materials. Applied Clay Science, 2019, 171, 65-73.	5.5	9
34	Biorefinery of Lignocellulosic Biomass from an Elm Clone: Production of Fermentable Sugars and Ligninâ€Derived Biochar for Energy and Environmental Applications. Energy Technology, 2019, 7, 277-287.	3.4	28
35	Titanosilicate-sepiolite hybrid nanoarchitectures for hydrogen technologies applications. Journal of Solid State Chemistry, 2019, 270, 287-294.	3.2	14
36	Clayâ€“Organic Interfaces for Design of Functional Hybrid Materials. , 2018, , 1-84.		8

#	Article	IF	Citations
37	Intercalation of metformin into montmorillonite. Dalton Transactions, 2018, 47, 3185-3192.	3.2	48
38	Reprint of ZnO/sepiolite heterostructured materials for solar photocatalytic degradation of pharmaceuticals in wastewater. Applied Clay Science, 2018, 160, 3-8.	5.5	39
39	Immobilization of Nanoparticles on Fibrous Clay Surfaces: Towards Promising Nanoplatforms for Advanced Functional Applications. Chemical Record, 2018, 18, 1125-1137.	6.9	49
40	Sepiolite-carbon nanocomposites doped with Pd as improving catalysts for hydrodechlorination processes. Applied Clay Science, 2018, 161, 132-138.	5.5	16
41	ZnO/sepiolite heterostructured materials for solar photocatalytic degradation of pharmaceuticals in wastewater. Applied Clay Science, 2018, 156, 104-109.	5.5	85
42	Silacrown Ethers-Clay Intercalation Materials: Application in Potentiometric Sensors for Detection of Alkali-Ions. Bulletin of the Chemical Society of Japan, 2018, 91, 608-616.	3.9	8
43	Sepiolite as a New Nanocarrier for DNA Transfer into Mammalian Cells: Proof of Concept, Issues and Perspectives. Chemical Record, 2018, 18, 849-857.	6.9	17
44	In situ generation of 3D graphene-like networks from cellulose nanofibres in sintered ceramics. Nanoscale, 2018, 10, 10488-10497.	5.1	18
45	Modulation of Inorganic Matrices for Functional Nanoarchitectures Fabrication: The Simultaneous Effect of Moisture and Temperature in the Preparation of Metakaolin Based Geopolymers. Bulletin of the Chemical Society of Japan, 2018, 91, 1158-1167.	3.9	5
46	Assessing cellulose nanofiber production from olive tree pruning residue. Carbohydrate Polymers, 2018, 179, 252-261.	12.1	85
47	The Meeting Point of Carbonaceous Materials and Clays: Toward a New Generation of Functional Composites. Advanced Functional Materials, 2018, 28, .	17.1	35
48	Functional Hybrid Nanopaper by Assembling Nanofibers of Cellulose and Sepiolite. Advanced Functional Materials, 2018, 28, .	17.1	48
49	Clay-Nanoarchitectures as Photocatalysts by In Situ Assembly of ZnO Nanoparticles and Clay Minerals. Journal of Nanoscience and Nanotechnology, 2018, 18, 223-233.	0.6	17
50	History of Organicâ€“Inorganic Hybrid Materials: Prehistory, Art, Science, and Advanced Applications. Advanced Functional Materials, 2018, 28, .	17.1	314
51	Bionanocomposite foams based on the assembly of starch and alginate with sepiolite fibrous clay. Carbohydrate Polymers, 2017, 157, 1933-1939.	12.1	41
52	Nanostructured carbonâ€“metal hybrid aerogels from bacterial cellulose. RSC Advances, 2017, 7, 42203-42210.	4.5	9
53	Cellular uptake pathways of sepiolite nanofibers and DNA transfection improvement. Scientific Reports, 2017, 7, .	3.7	38
54	Sepiolite nanoplatform for the simultaneous assembly of magnetite and zinc oxide nanoparticles as photocatalyst for improving removal of organic pollutants. Journal of Hazardous Materials, 2017, 340, 281-290.	12.4	63

#	Article	IF	Citations
55	Preface: General Considerations on the 2016 Volume of Recent Patents on Nanotechnology Journal. Recent Patents on Nanotechnology, 2017, 11, 2-2.	1.8	0
56	Conducting macroporous carbon foams derived from microwave-generated caramel/silica gel intermediates. Journal of Materials Science, 2017, 52, 11269-11281.	3.5	15
57	Effective intercalation of zein into Na-montmorillonite: role of the protein components and use of the developed biointerfaces. Beilstein Journal of Nanotechnology, 2016, 7, 1772-1782.	2.5	22
58	Organoclay hybrid materials as precursors of porous ZnO/silica-clay heterostructures for photocatalytic applications. Beilstein Journal of Nanotechnology, 2016, 7, 1971-1982.	2.5	24
59	Clay-lipid nanohybrids: towards influenza vaccines and beyond. Clay Minerals, 2016, 51, 529-538.	1.6	7
60	Clayâ€Graphene Nanoplatelets Functional Conducting Composites. Advanced Functional Materials, 2016, 26, 7394-7405.	17.1	79
61	Physical interactions between DNA and sepiolite nanofibers, and potential application for DNA transfer into mammalian cells. Scientific Reports, 2016, 6, .	3.7	36
62	Bionanocomposites based on polysaccharides and fibrous clays for packaging applications. Journal of Applied Polymer Science, 2016, 133, .	2.7	33
63	Ultrasound assisted preparation of chitosanâ€“vermiculite bionanocomposite foams for cadmium uptake. Applied Clay Science, 2016, 130, 40-49.	5.5	59
64	ZnO/clay nanoarchitectures: Synthesis, characterization and evaluation as photocatalysts. Applied Clay Science, 2016, 131, 131-139.	5.5	63
65	Smectite-chitosan-based electrodes in electrochemical detection of phenol and its derivatives. Applied Clay Science, 2016, 124-125, 62-68.	5.5	20
66	Layered double hydroxide/sepiolite heterostructured materials. Applied Clay Science, 2016, 130, 83-92.	5.5	29
67	TiO2-clay based nanoarchitectures for enhanced photocatalytic hydrogen production. Microporous and Mesoporous Materials, 2016, 222, 120-127.	4.7	30
68	Functional Nanocomposites Based on Fibrous Clays. RSC Smart Materials, 2016, , 1-53.	0.0	6
69	Inorganic Nanoarchitectures Based on Sepiolite. , 2016, , 87-100.		3
70	Nanoarchitectures by Solâ€“Gel from Silica and Silicate Building Blocks. , 2015, , 443-470.		5
71	Hybrid and Biohybrid Materials Based on Layered Clays. , 2015, , 245-297.		11
72	The Maya blue nanostructured material concept applied to colouring geopolymers. RSC Advances, 2015, 5, 98834-98841.	4.5	37

#	Article	IF	Citations
73	Design, development and characterization of a nanomagnetic system based on iron oxide nanoparticles encapsulated in PLLA-nanospheres. European Polymer Journal, 2015, 62, 145-154.	6.0	12
74	Meet the Editorial Board. Recent Patents on Nanotechnology, 2015, 9, 1-1.	1.8	1
75	Preface: (Applicative Trends in Nanoscience: Recent Patents on Nanotechnology). Recent Patents on Nanotechnology, 2014, 8, 1-1.	1.8	1
76	Polysaccharideâ€“fibrous clay bionanocomposites. Applied Clay Science, 2014, 96, 2-8.	5.5	106
77	Elastic properties of natural single nanofibres. RSC Advances, 2014, 4, 11225.	4.5	9
78	Pectin-coated chitosanâ€“LDH bionanocomposite beads as potential systems for colon-targeted drug delivery. International Journal of Pharmaceutics, 2014, 463, 1-9.	4.9	192
79	Clay-bionanocomposites with sacran megamolecules for the selective uptake of neodymium. Journal of Materials Chemistry A, 2014, 2, 1391-1399.	9.3	35
80	Bionanocomposites containing magnetic graphite as potential systems for drug delivery. International Journal of Pharmaceutics, 2014, 477, 553-563.	4.9	40
81	Toward a green way for the chemical production of supported graphenes using porous solids. Journal of Materials Chemistry A, 2014, 2, 2009-2017.	9.3	29
82	Bionanocomposites based on layered silicates and cationic starch as eco-friendly adsorbents for hexavalent chromium removal. Dalton Transactions, 2014, 43, 10512-10520.	3.2	33
83	Silicate-based multifunctional nanostructured materials with magnetite and Prussian blue: application to cesium uptake. RSC Advances, 2014, 4, 35415.	4.5	39
84	Recent Advances on Fibrous Clay-Based Nanocomposites. Advances in Polymer Science, 2014, , 39-86.	0.0	26
85	Zeoliteâ€“sepiolite nanoheterostructures. Journal of Nanostructure in Chemistry, 2014, 4, .	7.2	9
86	Assembling nanotubes and nanofibres: Cooperativeness in sepioliteâ€“carbon nanotube materials. Carbon, 2014, 72, 296-303.	10.4	30
87	Graphene-Clay Based Nanomaterials for Clean Energy Storage. Science of Advanced Materials, 2014, 6, 151-158.	0.9	27
88	Progress in Bionanocomposites: From green plastics to biomedical applications. Progress in Polymer Science, 2013, 38, 1391.	25.4	21
89	Silicaâ€“alumina/sepiolite nanoarchitectures. Journal of Materials Chemistry A, 2013, 1, 7477.	9.3	34
90	Clay-supported graphene materials: application to hydrogen storage. Physical Chemistry Chemical Physics, 2013, 15, 18635.	2.8	71

#	Article	IF	Citations
91	Hierarchically structured bioactive foams based on polyvinyl alcoholâ€“sepiolite nanocomposites. Journal of Materials Chemistry B, 2013, 1, 2911.	5.6	26
92	Silica/clay organo-heterostructures to promote polyethyleneâ€“clay nanocomposites by in situ polymerization. Applied Catalysis A: General, 2013, 453, 142-150.	4.5	32
93	Jose M. Serratosa (1924â€“2012)â€†. Applied Clay Science, 2013, 72, 211-212.	5.5	0
94	Fibrous Clay Mineralâ€“Polymer Nanocomposites. Developments in Clay Science, 2013, , 721-741.	0.0	15
95	Fibrous clays based bionanocomposites. Progress in Polymer Science, 2013, 38, 1392-1414.	25.4	211
96	Nanoarchitectures Based on Layered Titanosilicates Supported on Glass Fibers: Application to Hydrogen Storage. Langmuir, 2013, 29, 7449-7455.	3.8	22
97	Biomimetic Architectures for the Impedimetric Discrimination of Influenza Virus Phenotypes. Advanced Functional Materials, 2013, 23, 254-262.	17.1	27
98	EDITORIAL (The Progress on the Recent Patents on Nanotechnology Contributions). Recent Patents on Nanotechnology, 2013, 7, 1-1.	1.8	0
99	Silica-Sepiolite Nanoarchitectures. Journal of Nanoscience and Nanotechnology, 2013, 13, 2897-2907.	0.6	32
100	Agar-based bridges as biocompatible candidates to provide guide cues in spinal cord injury repair. Bio-Medical Materials and Engineering, 2013, 23, 405-421.	0.6	4
101	Novel architectures in porous materials based on clays. Journal of Sol-Gel Science and Technology, 2013, 70, 307-316.	2.7	37
102	Efficient and Ecological Removal of Anionic Pollutants by Cationic Starch-Clay Bionanocomposites. Science of Advanced Materials, 2013, 5, 994-1005.	0.9	6
103	Bioinspired Materials Chemistry I: Organicâ€“Inorganic Nanocomposites. , 2012, , 121-138.		1
104	Bionanocomposites based on layered double hydroxides as drug delivery systems. Proceedings of SPIE, 2012, 8548, 85486D.	0.0	0
105	One-Step Patterning of Hybrid Xerogel Materials for the Fabrication of Disposable Solid-State Light Emitters. ACS Applied Materials & Interfaces, 2012, 4, 5029-5037.	8.1	6
106	Chitosan-Clay Bio-Nanocomposites. Green Energy and Technology, 2012, , 365-391.	0.0	7
107	Lipidâ€Based Bioâ€Nanohybrids for Functional Stabilisation of Influenza Vaccines. European Journal of Inorganic Chemistry, 2012, 2012, 5186-5191.	1.9	30
108	Zeinâ€“Fibrous Clays Biohybrid Materials. European Journal of Inorganic Chemistry, 2012, 2012, 5216-5224.	1.9	43

#	Article	IF	Citations
109	Advanced biohybrid materials based on nanoclays for biomedical applications. Proceedings of SPIE, 2012, , .	0.0	10
110	EDITORIAL [The Progress on the Recent Patents on Nanotechnology Contributions]. Recent Patents on Nanotechnology, 2012, 7, 1-1.	1.8	0
111	Intercalation and electrical behavior of Ta xMo1-xS2 (x > 0.5) layered mixed disulfides. Journal of the Brazilian Chemical Society, 2012, 23, 415-425.	0.1	0
112	New silica/aluminaâ€“clay heterostructures: Properties as acid catalysts. Microporous and Mesoporous Materials, 2012, 147, 157-166.	4.7	57
113	51V and 93Nb high resolution NMR study of NbVO5. Journal of Materials Research, 2011, 6, 393-400.	2.6	4
114	Gelatin renaturation and the interfacial role of fillers in bionanocomposites. Physical Chemistry Chemical Physics, 2011, 13, 4901-4910.	2.8	41
115	Phospholipidâ€“Sepiolite Biomimetic Interfaces for the Immobilization of Enzymes. ACS Applied Materials & Interfaces, 2011, 3, 4339-4348.	8.1	49
116	Advanced Materials and New Applications of Sepiolite and Palygorskite. Developments in Clay Science, 2011, , 393-452.	0.0	59
117	Gelatine-based bio-nanocomposites. , 2011, , 209-233.		3
118	Hybrid and biohybrid silicate based materials: molecular vs. block-assembling bottomâ€“up processes. Chemical Society Reviews, 2011, 40, 801-828.	38.2	189
119	Multifunctional Porous Materials Through Ferrofluids. Advanced Materials, 2011, 23, 5224-5228.	24.7	41
120	Progress in Bionanocomposite and Bioinspired Foams. Advanced Materials, 2011, 23, 5262-5267.	24.7	57
121	Supported Graphene from Natural Resources: Easy Preparation and Applications. Advanced Materials, 2011, 23, 5250-5255.	24.7	152
122	Materials Science in Madrid. Advanced Materials, 2011, 23, 5126-5129.	24.7	0
123	Bio-organoclays Based on Phospholipids as Immobilization Hosts for Biological Species. Langmuir, 2010, 26, 5217-5225.	3.8	86
124	Silacrown modified xerogels as functional hybrid materials for carbon composite electrodes. Comptes Rendus Chimie, 2010, 13, 227-236.	0.7	5
125	Advances in Biomimetic and Nanostructured Biohybrid Materials. Advanced Materials, 2010, 22, 323-336.	24.7	268
126	New titania-clay nanostructured porous materials. Microporous and Mesoporous Materials, 2010, 131, 252-260.	4.7	93

#	Article	IF	Citations
127	Hybrid materials based on clays for environmental and biomedical applications. Journal of Materials Chemistry, 2010, 20, 9306.	8.1	286
128	Bionanocomposites based on alginateâ€“zein/layered double hydroxide materials as drug delivery systems. Journal of Materials Chemistry, 2010, 20, 9495.	8.1	233
129	Multifunctional materials based on graphene-like/sepiolite nanocomposites. Applied Clay Science, 2010, 47, 203-211.	5.5	59
130	Algaeâ€“silica systems as functional hybrid materials. Journal of Materials Chemistry, 2010, 20, 9362-9369.	8.1	24
131	Gelatin-Clay Bio-Nanocomposites: Structural and Functional Properties as Advanced Materials. Journal of Nanoscience and Nanotechnology, 2009, 9, 221-229.	0.6	47
132	Bionanocomposites as New Carriers for Influenza Vaccines. Advanced Materials, 2009, 21, 4167-4171.	24.7	65
133	Multisensor device based on Case-Based Reasoning (CBR) for monitoring nutrient solutions in fertigation. Sensors and Actuators B: Chemical, 2009, 135, 530-536.	7.7	17
134	PROGRESS IN BIONANOCOMPOSITE MATERIALS. Annual Review of Nano Research, 2009, , 149-189.	2.0	9
135	Template Synthesis of Nanostructured Carbonaceous Materials for Application in Electrochemical Devices. Current Nanoscience, 2009, 5, 506-513.	1.5	13
136	Use of biopolymers as oriented supports for the stabilization of different polymorphs of biomineralized calcium carbonate with complex shape. Journal of Crystal Growth, 2008, 310, 5331-5340.	2.0	27
137	Synthesis of p-cymene from limonene, a renewable feedstock. Applied Catalysis B: Environmental, 2008, 81, 218-224.	20.3	92
138	Preparation and properties as positive electrodes of PANIâ€“LiNi0.8Co0.2O2 nanocomposites. Journal of Materials Chemistry, 2008, 18, 3965.	8.1	22
139	Titaniaâ^'Sepiolite Nanocomposites Prepared by a Surfactant Templating Colloidal Route. Chemistry of Materials, 2008, 20, 84-91.	6.9	149
140	Poly(3,4-ethylenedioxythiophene)â€“clay nanocomposites. Journal of Materials Chemistry, 2008, 18, 2227.	8.1	41
141	Design and preparation of bionanocomposites based on layered solids with functional and structural properties. Materials Science and Technology, 2008, 24, 1100-1110.	1.8	30
142	Polymer-Clay Nanocomposites as Precursors of Nanostructured Carbon Materials for Electrochemical Devices: Templating Effect of Clays. Journal of Nanoscience and Nanotechnology, 2008, 8, 1741-1750.	0.6	17
143	Novel magnetic organicâ€“inorganic nanostructured materials. Journal of Materials Chemistry, 2007, 17, 4233.	8.1	20
144	Functionalized Carbonâ€“Silicates from Caramelâ€“Sepiolite Nanocomposites. Angewandte Chemie - International Edition, 2007, 46, 923-925.	15.0	55

#	Article	IF	Citations
145	Functionalized Carbonâ€“Silicates from Caramelâ€“Sepiolite Nanocomposites. Angewandte Chemie, 2007, 119, 941-943.	1.5	4
146	An Introduction to Bioâ€•nanohybrid Materials. , 2007, , 1-40.		18
147	Temperature influence on the anodic growth of self-aligned Titanium dioxide nanotube arrays. Journal of Magnetism and Magnetic Materials, 2007, 316, 110-113.	2.8	58
148	Influence of Anodic Conditions on Self-ordered Growth of Highly Aligned Titanium Oxide Nanopores. Nanoscale Research Letters, 2007, 2, 355-363.	4.1	38
149	â€œBottle-around-a-shipâ€•confinement of high loadings of Acridine Orange in new aluminophosphate crystalline materials. Journal of Materials Chemistry, 2006, 16, 1765-1771.	8.1	6
150	Chapter 10.3 Clay Mineralâ€“ and Organoclayâ€“Polymer Nanocomposite. Developments in Clay Science, 2006, , 583-621.	0.0	71
151	Microfibrous Chitosanâ^'Sepiolite Nanocomposites. Chemistry of Materials, 2006, 18, 1602-1610.	6.9	189
152	Editorial [Trends in Bio-Hybrid Nanostructured Materials Guest Editors: Eduardo Ruiz-Hitzky and Margarita Darder]. Current Nanoscience, 2006, 2, 153-153.	1.5	9
153	Preparation and characterization of LiNi0.8Co0.2O2/PANI microcomposite electrode materials under assisted ultrasonic irradiation. Journal of Solid State Chemistry, 2006, 179, 308-314.	3.2	32
154	Preface. Thin Solid Films, 2006, 495, 1.	1.9	1
155	Relevance of polymerâ€“ and biopolymerâ€“clay nanocomposites in electrochemical and electroanalytical applications. Thin Solid Films, 2006, 495, 104-112.	1.9	79
156	Encapsulation of enzymes in alumina membranes of controlled pore size. Thin Solid Films, 2006, 495, 321-326.	1.9	59
157	Gelation under dynamic conditions: A strategy for in vitro cell ordering. Journal of Materials Science: Materials in Medicine, 2006, 17, 795-802.	3.7	3
158	Bio-nanocomposites by Assembling of Gelatin and Layered Perovskite Mixed Oxides. Journal of Nanoscience and Nanotechnology, 2006, 6, 1602-1610.	0.6	17
159	Bio-Nanohybrids Based on Layered Inorganic Solids: Gelatin Nanocomposites. Current Nanoscience, 2006, 2, 231-241.	1.5	33
160	Magnetic behaviour of arrays of Ni nanowires by electrodeposition into self-aligned titania nanotubes. Journal of Magnetism and Magnetic Materials, 2005, 294, e69-e72.	2.8	17
161	Preparation of an Li0.7Ni0.8Co0.2O2 Electrode Material From a New Li-Co-Ni Mixed-Citrate Precursor. European Journal of Inorganic Chemistry, 2005, 2005, 2698-2705.	1.9	11
162	Amino-polysiloxane hybrid materials as carbon composite electrodes for potentiometric detection of anions. Journal of Materials Chemistry, 2005, 15, 3844.	8.1	27

#	Article	IF	Citations
163	Amperometric Sensors Based on Mercaptopyridineâ^'Montmorillonite Intercalation Compounds. Chemistry of Materials, 2005, 17, 708-715.	6.9	18
164	Bio-Nanocomposites Based on Layered Double Hydroxides. Chemistry of Materials, 2005, 17, 1969-1977.	6.9	251
165	Influence of iron in the formation of conductive polypyrrole-clay nanocomposites. Applied Clay Science, 2005, 28, 183-198.	5.5	56
166	Chitosanâ€"clay nanocomposites: application as electrochemical sensors. Applied Clay Science, 2005, 28, 199-208.	5.5	243
167	Caramelâ€"clay nanocomposites. Journal of Materials Chemistry, 2005, 15, 3913.	8.1	71
168	Organic-Inorganic Materials: From Intercalation Chemistry to Devices. , 2005, , 15-49.		6
169	Functional biopolymer nanocomposites based on layered solids. Journal of Materials Chemistry, 2005, 15, 3650.	8.1	206
170	Templated Synthesis of Carbon Nanofibers from Polyacrylonitrile Using Sepiolite. Advanced Functional Materials, 2004, 14, 77-82.	17.1	98
171	Microwave-Assisted Synthesis of MPS3 Materials (M = Mn, Cd) Using a Dewar-Ampoule Device. European Journal of Inorganic Chemistry, 2004, 2004, 949-952.	1.9	8
172	Intercalation materials from azamacrocycles and layered sulfides: electrical and electrochemical behaviour. Journal of Materials Chemistry, 2004, 14, 824.	8.1	5
173	Title is missing!. Journal of Thermal Analysis and Calorimetry, 2003, 71, 751-759.	2.7	56
174	Intercalation of Poly(Ethylene Oxide) Derivatives into Layered Double Hydroxides. European Journal of Inorganic Chemistry, 2003, 2003, 1242-1251.	1.9	59
175	TayNb1â^'yVO5 (0<y<1) mixed oxides synthesized by solâ€"gel method: electrochemical Li+-insertion. Catalysis Today, 2003, 78, 571-579.	4.7	11
176	Electrical characterization of poly(ethylene oxide)-clay nanocomposites prepared by microwave irradiation. Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 3249-3263.	2.8	81
177	Functionalizing Inorganic Solids: Towards Organic-Inorganic Nanostructured Materials for Intelligent and Bioinspired Systems. Chemical Record, 2003, 3, 88-100.	6.9	121
178	Biopolymerâ^'Clay Nanocomposites Based on Chitosan Intercalated in Montmorillonite. Chemistry of Materials, 2003, 15, 3774-3780.	6.9	600
179	Fe-containing pillared clays as catalysts for phenol hydroxylation. Applied Clay Science, 2003, 22, 263-277.	5.5	63
180	Silicaâ€"clay nanocomposites. Chemical Communications, 2003, , 2996-2997.	4.2	66

#	Article	IF	Citations
181	Nanostructured Hybrid Materials Formed by Sequestration of Pyridine Molecules in the Tunnels of Sepiolite. Chemistry of Materials, 2003, 15, 4956-4967.	6.9	78
182	Fe-rich smectites from Gafsa (Tunisia): characterization and pillaring behaviour. Clay Minerals, 2002, 37, 517-529.	1.6	17
183	Case-based reasoning (CBR) for multicomponent analysis using sensor arrays: Application to water quality evaluation. Analyst, The, 2002, 127, 1580-1582.	3.1	15
184	Preface. Journal of Materials Chemistry, 2002, 12, xi.	8.1	0
185	Hybrid materials based on lichenâ€“polysiloxane matrices: application as electrochemical sensors. Journal of Materials Chemistry, 2002, 12, 3660-3664.	8.1	15
186	Microwave decomposition of a chlorinated pesticide (Lindane) supported on modified sepiolites. Applied Clay Science, 2002, 22, 103-113.	5.5	45
187	Novel Organic-Inorganic Mesophases: Self-Templating Synthesis and Intratubular Swelling. Advanced Materials, 2002, 14, 439-443.	24.7	64
188	Intracrystalline alkylation of benzoate ions into layered double hydroxides. Journal of Materials Chemistry, 2001, 11, 554-560.	8.1	32
189	Molecular access to intracrystalline tunnels of sepiolite. Journal of Materials Chemistry, 2001, 11, 86-91.	8.1	289
190	Sepiolite-based materials for the photo- and thermal-stabilization of pesticides. Applied Clay Science, 2001, 18, 245-254.	5.5	59
191	Hybrid materials based on vanadium pentoxide intercalation complexes. Colloid and Polymer Science, 2001, 279, 990-1004.	2.1	21
192	INORGANIC -ORGANIC NANOCOMPOSITE MATERIALS BASED ON MACROCYCLIC COMPOUNDS. Reviews in Inorganic Chemistry, 2001, 21, 125-159.	4.6	34
193	Selective Functionalization of Mesoporous Silica. Advanced Materials, 2000, 12, 430-432.	24.7	194
194	Intracrystalline reactivity of layered double hydroxides: carboxylate alkylations in dry media. New Journal of Chemistry, 2000, 24, 119-121.	2.5	19
195	Synthesis of pillared clays assisted by microwaves. Materials Research Bulletin, 1999, 34, 641-651.	5.4	28
196	Insertion of In(III) and Ga(III) into MPS3 (M = Mn, Cd) layered materials. Materials Research Bulletin, 1999, 34, 673-683.	5.4	9
197	Synthesis of 2,4-D ester herbicides. Green Chemistry, 1999, 1, 199-204.	9.3	13
198	Poly(ethylene oxide)/NH4+-smectite nanocomposites. Applied Clay Science, 1999, 15, 119-135.	5.5	104

#	Article	IF	Citations
199	Reactive nanocomposites based on pillared clays. Journal of Materials Chemistry, 1999, 9, 161-167.	8.1	31
200	Hybrid Organic-Inorganic Electrode-Membranes Based on Organo-Polysiloxane/Macrocycle Systems. Materials Research Society Symposia Proceedings, 1998, 519, .	0.1	14
201	Application of the Electrochemical Impedance Technique to Study of Pillared Clays. Chemistry of Materials, 1998, 10, 3379-3385.	6.9	6
202	Microwave Assisted Blending-Intercalation of Ion-Conductor Polymers into Layered Silicates. Materials Research Society Symposia Proceedings, 1998, 519, .	0.1	4
203	Adsorption of Monovalent Organic Cations on Sepiolite: Experimental Results and Model Calculations. Clays and Clay Minerals, 1998, 46, 340-348.	2.0	114
204	Chitosan Based Films. Synthesis and Crystalline Properties of Nanocomposites with Amine Propyl Siloxane. International Journal of Polymeric Materials and Polymeric Biomaterials, 1997, 35, 61-70.	3.5	14
205	Characterization, pillaring and catalytic properties of a saponite from VicÃ¡lvaro, Madrid, Spain. Clay Minerals, 1997, 32, 41-54.	1.6	20
206	Intercalation of Methylene Blue into vanadium pentoxide gels. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 4479.	1.7	13
207	MVO5(M = Nb, Ta) mixed oxides: solâ€“gel synthesis, structural and thermal characterization and electrochemical Li+insertion. Journal of Materials Chemistry, 1996, 6, 1005-1011.	8.1	24
208	Proton conductivity in Al-montmorillonite pillared clays. Solid State Ionics, 1996, 85, 313-317.	3.1	19
209	Intercalation of Oxyethylene Compounds (Crown-Ethers and PEO) into Molybdenum Disulfide. Journal of the Brazilian Chemical Society, 1996, 7, 193-197.	0.1	11
210	Nanocomposite materials with controlled ion mobilityk. Advanced Materials, 1995, 7, 180-184.	24.7	114
211	Structural Characterization and Electrical Properties of a Novel Defect Pyrochlore. Journal of Solid State Chemistry, 1995, 116, 290-295.	3.2	46
212	Composite membranes based on macrocycle/polysiloxanes: preparation, characterization and electrochemical behaviour. Journal of Materials Chemistry, 1995, 5, 817-825.	8.1	23
213	Interlayer Adsorption of Macrocyclic Compounds (Crown-Ethers and Cryptands) in 2:1 Phyllosilicates: II. Structural Features. Clay Minerals, 1994, 29, 191-203.	1.6	27
214	Electrochemical characterization of composite membranes based on crown-ethers intercalated into montmorillonite. Colloid and Polymer Science, 1994, 272, 712-720.	2.1	19
215	Intercalation of Macrocyclic Compounds (Crown Ethers and Cryptands) into 2:1 Phyllosilicates. Stability and Calorimetric Study. Langmuir, 1994, 10, 1207-1212.	3.8	33
216	Conducting Polymers Intercalated in Layered Solids. Advanced Materials, 1993, 5, 334-340.	24.7	223

#	Article	IF	Citations
217	PEO intercalation in layered chalcogenides. Advanced Materials, 1993, 5, 738-741.	24.7	77
218	Organosilicic membranes doped with crown-ethers. Journal of Materials Chemistry, 1993, 3, 687-688.	8.1	13
219	Electrical Properties of Oxyethylene Intercalated Compounds. NATO ASI Series Series B: Physics, 1993, , 397-400.	0.0	2
220	Lithium Intercalation in Ta_xNb_{1-x}VO₅ Mixed Oxides. Materials Science Forum, 1992, 91-93, 153-158.	0.4	1
221	Characterization of Clay-Polyoxyethylene Based Membranes Using AC Impedance Spectroscopy. Key Engineering Materials, 1992, 61-62, 469-472.	0.4	0
222	Oxidation Mechanism in Intercalated Vanadium Pentoxide. Materials Science Forum, 1992, 91-93, 609-612.	0.4	1
223	New polyoxyethylene intercalation materials in vanadium oxide xerogel. Journal of Materials Chemistry, 1992, 2, 581.	8.1	35
224	Poly(ethylene oxide)-silicate intercalation materials. Chemistry of Materials, 1992, 4, 1395-1403.	6.9	487
225	Lithium-niobium vanadium oxide and lithium-tantalum vanadium oxide, MVO5, bronzes. Chemistry of Materials, 1992, 4, 62-67.	6.9	29
226	Rhodium complexes with nitrogen-donor ligands anchored on silicic supports. 1. Synthesis and characterization. Chemistry of Materials, 1992, 4, 49-55.	6.9	31
227	Mechanism of the grafting of organosilanes on mineral surfaces. IV. Phenylderivatives of sepiolite and poly (organosiloxanes). Colloid and Polymer Science, 1992, 270, 165-176.	2.1	43
228	TaxNb1â^'xVO5 (0 < x < 1) ternary oxides: Synthesis by sol-gel and structural characterization. Journal of Solid State Chemistry, 1992, 99, 258-266.	3.2	8
229	Ionic conductivity in layer silicates controlled by intercalation of macrocyclic and polymeric oxyethylene compounds. Electrochimica Acta, 1992, 37, 1573-1577.	5.4	53
230	Beckmann Rearrangement Reactions on Acidic Solids. Studies in Surface Science and Catalysis, 1991, , 539-547.	0.0	10
231	Polymer-salt intercalation complexes in layer silicates. Advanced Materials, 1990, 2, 545-547.	24.7	204
232	Structural Fluorine in Sepiolite. Clays and Clay Minerals, 1990, 38, 63-68.	2.0	84
233	Oxygen reactivity in vanadium pentoxide: electronic structure and infrared spectroscopy studies. The Journal of Physical Chemistry, 1990, 94, 8960-8965.	3.3	83
234	Inorganic solids in â€œdry mediaâ€•an efficient way for developing microwave irradiation activated organic reactions. Tetrahedron Letters, 1989, 30, 945-948.	1.5	97

#	Article	IF	Citations
235	Synthesis and characterization of the new mixed oxide NbVO5. Materials Letters, 1989, 8, 132-136.	2.6	25
236	Intercalation mechanism of nitrogenated bases into V2O5 xerogel. Journal of the Chemical Society Faraday Transactions I, 1989, 85, 4167.	1.1	31
237	Laser microprobe mass spectrometry (LMMS) of intracrystalline crown ether and cryptand complexes in layer silicates. Journal of Inclusion Phenomena, 1988, 6, 107-118.	0.8	14
238	Proton-sodium exchange in magadiite. Spectroscopic study (NMR, IR) of the evolution of interlayer OH groups. Inorganic Chemistry, 1988, 27, 2785-2790.	4.6	98
239	Intracrystalline Pinacol Rearrangement in Layer Silicates. Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics, 1988, 161, 453-458.	0.3	4
240	Arylsulphonic Resins Based on Organic/Inorganic Macro-Molecular Systems. Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics, 1988, 161, 459-469.	0.3	9
241	Genie Cristallin Dans Les Solides Organo-Mineraux. Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics, 1988, 161, 433-452.	0.3	11
242	Selectivity of the Catalytic Rearrangement of 1,2-Glycols on Acidic Solids. Studies in Surface Science and Catalysis, 1988, , 211-219.	0.0	7
243	Characterization of the interlayer water in niobyl phosphate hydrates by IR and NMR spectroscopies. Inorganic Chemistry, 1987, 26, 847-850.	4.6	32
244	Surface characterization of pure and chemically modified minerals by laser microprobe mass spectrometry. Analytica Chimica Acta, 1987, 195, 331-336.	5.9	11
245	Interlayer adsorption of ammonia and pyridine in V2O5 xerogel. Journal of the Chemical Society Faraday Transactions I, 1986, 82, 1597.	1.1	41
246	Interlayer adsorption of macrocyclic compounds (crown-ethers and cryptands) in 2:1 phyllosilicates: I. Isotherms and kinetics. Clay Minerals, 1986, 21, 1-7.	1.6	17
247	29Si MAS-N.M.R. spectra of lamellar silicic acid H-magadiite and its trimethylsilyl derivative. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1986, 540, 227-233.	1.0	12
248	Intracrystalline Complexation by Crown Ethers and Cryptands in Clay Minerals. , 1986, , 179-189.		12
249	Photo-oxidation of water mediated by a clay-anchored Os catalyst. Journal of Molecular Catalysis, 1985, 33, 83-86.	1.5	11
250	Epoxide rearrangements on mineral and silica-alumina surfaces. Journal of Catalysis, 1985, 92, 291-295.	6.5	69
251	Redox intercalation of alkylammonium ions into VOAO4.nH2O (A=P, As). Materials Research Bulletin, 1985, 20, 549-555.	5.4	44
252	Mechanism of the grafting of organosilanes on mineral surfaces. Colloid and Polymer Science, 1985, 263, 1025-1030.	2.1	89

#	Article	IF	Citations
253	Laser microprobe mass analysis (LAMMA) of natural and organochlorosilane grafted sepiolite surfaces. Mikrochimica Acta, 1984, 84, 117-128.	4.8	8
254	Vibrational spectra of ammonium ions in crown-etherâ€“NH+4-montmorillonite complexes. Journal of the Chemical Society Faraday Transactions I, 1984, 80, 2225.	1.1	17
255	Interaction des amides N-substituÃ©es avec des acides siliciques lamellaires. Journal De Chimie Physique Et De Physico-Chimie Biologique, 1984, 81, 625-628.	0.3	5
256	Intracrystalline grafting on layer silicic acids. Nature, 1980, 287, 28-30.	40.1	171
257	Mechanism of the grafting of organosilanes on mineral surfaces. Colloid and Polymer Science, 1979, 257, 178-181.	2.1	28
258	Crown ether intercalations with phyllosilicates. Nature, 1978, 276, 596-597.	40.1	67
259	Mechanism of the grafting of organosilanes on mineral surfaces I. Nature and role of the hydrolysis products of the methylvinyldichlorosilane in the grafting of silicates in hydrochloric acid and isopropanol. Colloid and Polymer Science, 1978, 256, 135-139.	2.1	27
260	Organomineral Derivatives Obtained by Reacting Organochlorosilanes with the Surface of Silicates in Organic Solvents. Clays and Clay Minerals, 1976, 24, 25-30.	2.0	77
261	Bionanocomposites. , 0, , 1-28.		7