

Pilar Aranda Gallego

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

161
papers

7,129
citations

42
h-index

79
g-index

182
ext. papers

7,759
ext. citations

6.5
avg, IF

6.04
L-index

#	Paper	IF	Citations
161	Gentamicin-Montmorillonite Intercalation Compounds as an Active Component of Hydroxypropylmethylcellulose Bionanocomposite Films with Antimicrobial Properties. <i>Clays and Clay Minerals</i> , 2021 , 69, 576	2.1	
160	Incorporating of layered double hydroxide/sepiolite to improve the performance of sulfonated poly(ether ether ketone) composite membranes for proton exchange membrane fuel cells. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50364	2.9	2
159	Composite Nanoarchitectonics: Alginate Beads Encapsulating Sepiolite/Magnetite/Prussian Blue for Removal of Cesium Ions from Water. <i>Bulletin of the Chemical Society of Japan</i> , 2021 , 94, 122-132	5.1	12
158	Sepiolite-Hydrogels: Synthesis by Ultrasound Irradiation and Their Use for the Preparation of Functional Clay-Based Nanoarchitected Materials. <i>Frontiers in Chemistry</i> , 2021 , 9, 733105	5	2
157	Progress and innovation of nanostructured sulfur cathodes and metal-free anodes for room-temperature Na-S batteries. <i>Beilstein Journal of Nanotechnology</i> , 2021 , 12, 995-1020	3	0
156	Hydrophobic composite foams based on nanocellulose-sepiolite for oil sorption applications. <i>Journal of Hazardous Materials</i> , 2021 , 417, 126068	12.8	9
155	Biotechnological applications of the sepiolite interactions with bacteria: Bacterial transformation and DNA extraction. <i>Applied Clay Science</i> , 2020 , 191, 105613	5.2	8
154	Chitosan and pectin core-shell beads encapsulating metformin-clay intercalation compounds for controlled delivery. <i>New Journal of Chemistry</i> , 2020 , 44, 10102-10110	3.6	10
153	Ultrasound-assisted preparation of nanocomposites based on fibrous clay minerals and nanocellulose from microcrystalline cellulose. <i>Applied Clay Science</i> , 2020 , 189, 105538	5.2	8
152	Zein-layered hydroxide biohybrids: strategies of synthesis and characterization. <i>Materials</i> , 2020 , 13,	3.5	1
151	Theoretical and experimental investigation on the intercalation of metformin into layered clay minerals. <i>Applied Clay Science</i> , 2020 , 186, 105418	5.2	5
150	Improving the Impact Factor of Recent Patents on Nanotechnology. <i>Recent Patents on Nanotechnology</i> , 2020 , 14, 2	1.2	
149	Research and Patents on Coronavirus and COVID-19: A Review. <i>Recent Patents on Nanotechnology</i> , 2020 , 14, 328-350	1.2	3
148	Functional biohybrid materials based on halloysite, sepiolite and cellulose nanofibers for health applications. <i>Dalton Transactions</i> , 2020 , 49, 3830-3840	4.3	27
147	Responses of human cells to sepiolite interaction. <i>Applied Clay Science</i> , 2020 , 194, 105655	5.2	7
146	Nanotechnology Responses to COVID-19. <i>Advanced Healthcare Materials</i> , 2020 , 9, e2000979	10.1	75
145	Layered double hydroxide/sepiolite hybrid nanoarchitectures for the controlled release of herbicides. <i>Beilstein Journal of Nanotechnology</i> , 2019 , 10, 1679-1690	3	9

144	Photoactive nanoarchitectures based on clays incorporating TiO and ZnO nanoparticles. <i>Beilstein Journal of Nanotechnology</i> , 2019 , 10, 1140-1156	3	29
143	Interdiffusive Surfactant Procedure for the Preparation of Nanoarchitected Porous Films: Application to the Growth of Titania Thin Films on Silicon Substrates. <i>Langmuir</i> , 2019 , 35, 7169-7174	4	0
142	2018 Annual Report on Recent Patents on Nanotechnology. <i>Recent Patents on Nanotechnology</i> , 2019 , 13, 2	1.2	
141	Amelioration of PEMFC performance at high temperature by incorporation of nanofiller (sepiolite/layered double hydroxide) in Nafion membrane. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 10666-10676	6.7	12
140	CLAY-BASED BIOHYBRID MATERIALS FOR BIOMEDICAL AND PHARMACEUTICAL APPLICATIONS. <i>Clays and Clay Minerals</i> , 2019 , 67, 44-58	2.1	11
139	Silica/montmorillonite nanoarchitectures and layered double hydroxide-SPEEK based composite membranes for fuel cells applications. <i>Applied Clay Science</i> , 2019 , 174, 77-85	5.2	32
138	Multicomponent bionanocomposites based on clay nanoarchitectures for electrochemical devices. <i>Beilstein Journal of Nanotechnology</i> , 2019 , 10, 1303-1315	3	10
137	Silica-layered double hydroxide nanoarchitected materials. <i>Applied Clay Science</i> , 2019 , 171, 65-73	5.2	7
136	Biorefinery of Lignocellulosic Biomass from an Elm Clone: Production of Fermentable Sugars and Lignin-Derived Biochar for Energy and Environmental Applications. <i>Energy Technology</i> , 2019 , 7, 277-287	3.5	18
135	Titanosilicate-sepiolite hybrid nanoarchitectures for hydrogen technologies applications. <i>Journal of Solid State Chemistry</i> , 2019 , 270, 287-294	3.3	13
134	Intercalation of metformin into montmorillonite. <i>Dalton Transactions</i> , 2018 , 47, 3185-3192	4.3	36
133	Reprint of ZnO/sepiolite heterostructured materials for solar photocatalytic degradation of pharmaceuticals in wastewater. <i>Applied Clay Science</i> , 2018 , 160, 3-8	5.2	19
132	Immobilization of Nanoparticles on Fibrous Clay Surfaces: Towards Promising Nanoplatforms for Advanced Functional Applications. <i>Chemical Record</i> , 2018 , 18, 1125-1137	6.6	28
131	Sepiolite-carbon nanocomposites doped with Pd as improving catalysts for hydrodechlorination processes. <i>Applied Clay Science</i> , 2018 , 161, 132-138	5.2	9
130	ZnO/sepiolite heterostructured materials for solar photocatalytic degradation of pharmaceuticals in wastewater. <i>Applied Clay Science</i> , 2018 , 156, 104-109	5.2	60
129	Silacrown Ethers-Clay Intercalation Materials: Application in Potentiometric Sensors for Detection of Alkali-Ions. <i>Bulletin of the Chemical Society of Japan</i> , 2018 , 91, 608-616	5.1	6
128	Sepiolite as a New Nanocarrier for DNA Transfer into Mammalian Cells: Proof of Concept, Issues and Perspectives. <i>Chemical Record</i> , 2018 , 18, 849-857	6.6	13
127	Modulation of Inorganic Matrices for Functional Nanoarchitectures Fabrication: The Simultaneous Effect of Moisture and Temperature in the Preparation of Metakaolin Based Geopolymers. <i>Bulletin of the Chemical Society of Japan</i> , 2018 , 91, 1158-1167	5.1	4

126	The Meeting Point of Carbonaceous Materials and Clays: Toward a New Generation of Functional Composites. <i>Advanced Functional Materials</i> , 2018 , 28, 1704323	15.6	21
125	Functional Hybrid Nanopaper by Assembling Nanofibers of Cellulose and Sepiolite. <i>Advanced Functional Materials</i> , 2018 , 28, 1703048	15.6	35
124	Bionanocomposite foams based on the assembly of starch and alginate with sepiolite fibrous clay. <i>Carbohydrate Polymers</i> , 2017 , 157, 1933-1939	10.3	30
123	Nanostructured carbon-metal hybrid aerogels from bacterial cellulose. <i>RSC Advances</i> , 2017 , 7, 42203-42210	3.9	8
122	Cellular uptake pathways of sepiolite nanofibers and DNA transfection improvement. <i>Scientific Reports</i> , 2017 , 7, 5586	4.9	27
121	Clay/Organic Interfaces for Design of Functional Hybrid Materials 2017 , 1-84		4
120	Sepiolite nanoplatform for the simultaneous assembly of magnetite and zinc oxide nanoparticles as photocatalyst for improving removal of organic pollutants. <i>Journal of Hazardous Materials</i> , 2017 , 340, 281-290	12.8	39
119	Conducting macroporous carbon foams derived from microwave-generated caramel/silica gel intermediates. <i>Journal of Materials Science</i> , 2017 , 52, 11269-11281	4.3	11
118	Clay-Graphene Nanoplatelets Functional Conducting Composites. <i>Advanced Functional Materials</i> , 2016 , 26, 7394-7405	15.6	57
117	Physical interactions between DNA and sepiolite nanofibers, and potential application for DNA transfer into mammalian cells. <i>Scientific Reports</i> , 2016 , 6, 36341	4.9	25
116	Bionanocomposites based on polysaccharides and fibrous clays for packaging applications. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	19
115	Ultrasound assisted preparation of chitosan-vermiculite bionanocomposite foams for cadmium uptake. <i>Applied Clay Science</i> , 2016 , 130, 40-49	5.2	48
114	ZnO/clay nanoarchitectures: Synthesis, characterization and evaluation as photocatalysts. <i>Applied Clay Science</i> , 2016 , 131, 131-139	5.2	45
113	Smectite-chitosan-based electrodes in electrochemical detection of phenol and its derivatives. <i>Applied Clay Science</i> , 2016 , 124-125, 62-68	5.2	17
112	Layered double hydroxide/sepiolite heterostructured materials. <i>Applied Clay Science</i> , 2016 , 130, 83-92	5.2	19
111	TiO ₂ -clay based nanoarchitectures for enhanced photocatalytic hydrogen production. <i>Microporous and Mesoporous Materials</i> , 2016 , 222, 120-127	5.3	25
110	CHAPTER 1:Functional Nanocomposites Based on Fibrous Clays. <i>RSC Smart Materials</i> , 2016 , 1-53	0.6	5
109	Effective intercalation of zein into Na-montmorillonite: role of the protein components and use of the developed biointerfaces. <i>Beilstein Journal of Nanotechnology</i> , 2016 , 7, 1772-1782	3	15

108	Organoclay hybrid materials as precursors of porous ZnO/silica-clay heterostructures for photocatalytic applications. <i>Beilstein Journal of Nanotechnology</i> , 2016 , 7, 1971-1982	3	16
107	Clay-lipid nanohybrids: towards influenza vaccines and beyond. <i>Clay Minerals</i> , 2016 , 51, 529-538	1.3	7
106	Nanoarchitectures by Sol-Gel from Silica and Silicate Building Blocks 2015 , 443-470		6
105	Hybrid and Biohybrid Materials Based on Layered Clays 2015 , 245-297		3
104	The Maya blue nanostructured material concept applied to colouring geopolymers. <i>RSC Advances</i> , 2015 , 5, 98834-98841	3.7	28
103	Polysaccharide/fibrous clay bionanocomposites. <i>Applied Clay Science</i> , 2014 , 96, 2-8	5.2	85
102	Pectin-coated chitosan-LDH bionanocomposite beads as potential systems for colon-targeted drug delivery. <i>International Journal of Pharmaceutics</i> , 2014 , 463, 1-9	6.5	163
101	Clay-bionanocomposites with sacran megamolecules for the selective uptake of neodymium. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 1391-1399	13	28
100	Bionanocomposites containing magnetic graphite as potential systems for drug delivery. <i>International Journal of Pharmaceutics</i> , 2014 , 477, 553-63	6.5	29
99	Toward a green way for the chemical production of supported graphenes using porous solids. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 2009-2017	13	24
98	Bionanocomposites based on layered silicates and cationic starch as eco-friendly adsorbents for hexavalent chromium removal. <i>Dalton Transactions</i> , 2014 , 43, 10512-20	4.3	30
97	Silicate-based multifunctional nanostructured materials with magnetite and Prussian blue: application to cesium uptake. <i>RSC Advances</i> , 2014 , 4, 35415	3.7	29
96	Recent Advances on Fibrous Clay-Based Nanocomposites. <i>Advances in Polymer Science</i> , 2014 , 39-86	1.3	19
95	Zeolite/sepiolite nanoheterostructures. <i>Journal of Nanostructure in Chemistry</i> , 2014 , 4, 1	7.6	5
94	Influence of citrate/nitrate ratio on the preparation of Li _{0.5} La _{0.5} TiO ₃ nanopowder by combustion method. <i>Ceramics International</i> , 2014 , 40, 249-256	5.1	13
93	Novel architectures in porous materials based on clays. <i>Journal of Sol-Gel Science and Technology</i> , 2014 , 70, 307-316	2.3	34
92	Graphene-Clay Based Nanomaterials for Clean Energy Storage. <i>Science of Advanced Materials</i> , 2014 , 6, 151-158	2.3	21
91	Silica/alumina/sepiolite nanoarchitectures. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 7477	13	28

90	Clay-supported graphene materials: application to hydrogen storage. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 18635-41	3.6	53
89	Magnetic and electronic properties of bimagnetic materials comprising cobalt particles within hollow silica decorated with magnetite nanoparticles. <i>Journal of Applied Physics</i> , 2013 , 114, 124304	2.5	7
88	Hierarchically structured bioactive foams based on polyvinyl alcohol-sepiolite nanocomposites. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 2911-2920	7.3	23
87	Silica/clay organo-heterostructures to promote polyethylene/clay nanocomposites by in situ polymerization. <i>Applied Catalysis A: General</i> , 2013 , 453, 142-150	5.1	35
86	Fibrous clays based bionanocomposites. <i>Progress in Polymer Science</i> , 2013 , 38, 1392-1414	29.6	179
85	Nanoarchitectures based on layered titanosilicates supported on glass fibers: application to hydrogen storage. <i>Langmuir</i> , 2013 , 29, 7449-55	4	22
84	Biomimetic Architectures for the Impedimetric Discrimination of Influenza Virus Phenotypes. <i>Advanced Functional Materials</i> , 2013 , 23, 254-262	15.6	23
83	Silica-sepiolite nanoarchitectures. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 2897-907	1.3	25
82	Efficient and Ecological Removal of Anionic Pollutants by Cationic Starch-Clay Bionanocomposites. <i>Science of Advanced Materials</i> , 2013 , 5, 994-1005	2.3	6
81	New silica/alumina/clay heterostructures: Properties as acid catalysts. <i>Microporous and Mesoporous Materials</i> , 2012 , 147, 157-166	5.3	48
80	Bioinspired Materials Chemistry I: Organic/Inorganic Nanocomposites 2012 , 121-138		1
79	One-step patterning of hybrid xerogel materials for the fabrication of disposable solid-state light emitters. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 5029-37	9.5	9
78	Chitosan-Clay Bio-Nanocomposites. <i>Green Energy and Technology</i> , 2012 , 365-391	0.6	5
77	Lipid-Based Bio-Nanohybrids for Functional Stabilisation of Influenza Vaccines. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 5186-5191	2.3	26
76	Zein/Fibrous Clays Biohybrid Materials. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 5216-5224	2.3	39
75	Advanced biohybrid materials based on nanoclays for biomedical applications 2012 ,		9
74	Preparation and study as positive electrode of LiO ₂ B ₃ La _{0.6} Ti _{0.3} BANI nanocomposite. <i>Advances in Applied Ceramics</i> , 2012 , 111, 480-489	2.3	1
73	Advanced Materials and New Applications of Sepiolite and Palygorskite. <i>Developments in Clay Science</i> , 2011 , 3, 393-452		41

72	Gelatine-based bio-nanocomposites 2011 , 209-233		4
71	Hybrid and biohybrid silicate based materials: molecular vs. block-assembling bottom-up processes. <i>Chemical Society Reviews</i> , 2011 , 40, 801-28	58.5	185
70	Multifunctional porous materials through ferrofluids. <i>Advanced Materials</i> , 2011 , 23, 5224-8	24	35
69	Phospholipid-sepiolite biomimetic interfaces for the immobilization of enzymes. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 4339-48	9.5	46
68	Hybrid materials based on clays for environmental and biomedical applications. <i>Journal of Materials Chemistry</i> , 2010 , 20, 9306		265
67	Bionanocomposites based on alginate-chitosan/layered double hydroxide materials as drug delivery systems. <i>Journal of Materials Chemistry</i> , 2010 , 20, 9495		208
66	Multifunctional materials based on graphene-like/sepiolite nanocomposites. <i>Applied Clay Science</i> , 2010 , 47, 203-211	5.2	54
65	Algae-silica systems as functional hybrid materials. <i>Journal of Materials Chemistry</i> , 2010 , 20, 9362-9369		20
64	Bio-organoclays based on phospholipids as immobilization hosts for biological species. <i>Langmuir</i> , 2010 , 26, 5217-25	4	82
63	Silacrown modified xerogels as functional hybrid materials for carbon composite electrodes. <i>Comptes Rendus Chimie</i> , 2010 , 13, 227-236	2.7	5
62	Advances in biomimetic and nanostructured biohybrid materials. <i>Advanced Materials</i> , 2010 , 22, 323-36	24	251
61	New titania-clay nanostructured porous materials. <i>Microporous and Mesoporous Materials</i> , 2010 , 131, 252-260	5.3	82
60	Gelatin-clay bio-nanocomposites: structural and functional properties as advanced materials. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 221-9	1.3	48
59	Bionanocomposites as New Carriers for Influenza Vaccines. <i>Advanced Materials</i> , 2009 , 21, 4167-4171	24	64
58	PROGRESS IN BIONANOCOMPOSITE MATERIALS. <i>Annual Review of Nano Research</i> , 2009 , 149-189		8
57	Template Synthesis of Nanostructured Carbonaceous Materials for Application in Electrochemical Devices. <i>Current Nanoscience</i> , 2009 , 5, 506-513	1.4	11
56	Bionanocomposites 2008 , 1		4
55	Preparation and properties as positive electrodes of PANI/nNi _{0.8} Co _{0.2} O ₂ nanocomposites. <i>Journal of Materials Chemistry</i> , 2008 , 18, 3965		18

54	Titania-Sepiolite Nanocomposites Prepared by a Surfactant Templating Colloidal Route. <i>Chemistry of Materials</i> , 2008 , 20, 84-91	9.6	137
53	Poly(3,4-ethylenedioxythiophene) clay nanocomposites. <i>Journal of Materials Chemistry</i> , 2008 , 18, 2227		42
52	Design and preparation of bionanocomposites based on layered solids with functional and structural properties. <i>Materials Science and Technology</i> , 2008 , 24, 1100-1110	1.5	29
51	Use of biopolymers as oriented supports for the stabilization of different polymorphs of biomineralized calcium carbonate with complex shape. <i>Journal of Crystal Growth</i> , 2008 , 310, 5331-5340	1.6	26
50	Polymer-Clay Nanocomposites as Precursors of Nanostructured Carbon Materials for Electrochemical Devices: Templating Effect of Clays. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 1741-1750	1.3	12
49	Functionalized carbon-silicates from caramel-sepiolite nanocomposites. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 923-5	16.4	50
48	Bionanocomposites: A New Concept of Ecological, Bioinspired, and Functional Hybrid Materials. <i>Advanced Materials</i> , 2007 , 19, 1309-1319	24	532
47	Temperature influence on the anodic growth of self-aligned Titanium dioxide nanotube arrays. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 316, 110-113	2.8	50
46	Influence of Anodic Conditions on Self-ordered Growth of Highly Aligned Titanium Oxide Nanopores. <i>Nanoscale Research Letters</i> , 2007 , 2, 355-363	5	36
45	Novel magnetic organic/inorganic nanostructured materials. <i>Journal of Materials Chemistry</i> , 2007 , 17, 4233		20
44	A Colloidal Route for Delamination of Layered Solids: Novel Porous-Clay Nanocomposites. <i>Advanced Functional Materials</i> , 2006 , 16, 401-409	15.6	57
43	Bio-nanocomposites by assembling of gelatin and layered perovskite mixed oxides. <i>Journal of Nanoscience and Nanotechnology</i> , 2006 , 6, 1602-10	1.3	14
42	Microfibrous Chitosan-Sepiolite Nanocomposites. <i>Chemistry of Materials</i> , 2006 , 18, 1602-1610	9.6	182
41	Preparation and characterization of LiNi _{0.8} Co _{0.2} O ₂ /PANI microcomposite electrode materials under assisted ultrasonic irradiation. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 308-314	3.3	29
40	Relevance of polymer and biopolymer clay nanocomposites in electrochemical and electroanalytical applications. <i>Thin Solid Films</i> , 2006 , 495, 104-112	2.2	69
39	Encapsulation of enzymes in alumina membranes of controlled pore size. <i>Thin Solid Films</i> , 2006 , 495, 321-326	2.2	61
38	Bio-Nanohybrids Based on Layered Inorganic Solids: Gelatin Nanocomposites. <i>Current Nanoscience</i> , 2006 , 2, 231-241	1.4	35
37	Amino-polysiloxane hybrid materials as carbon composite electrodes for potentiometric detection of anions. <i>Journal of Materials Chemistry</i> , 2005 , 15, 3844		23

36	Amperometric Sensors Based on Mercaptopyridine-Montmorillonite Intercalation Compounds. <i>Chemistry of Materials</i> , 2005 , 17, 708-715	9.6	20
35	Bio-Nanocomposites Based on Layered Double Hydroxides. <i>Chemistry of Materials</i> , 2005 , 17, 1969-1977	9.6	243
34	Influence of iron in the formation of conductive polypyrrole-clay nanocomposites. <i>Applied Clay Science</i> , 2005 , 28, 183-198	5.2	56
33	Functional biopolymer nanocomposites based on layered solids. <i>Journal of Materials Chemistry</i> , 2005 , 15, 3650		191
32	Magnetic behaviour of arrays of Ni nanowires by electrodeposition into self-aligned titania nanotubes. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 294, e69-e72	2.8	17
31	Preparation of an Li _{0.7} Ni _{0.8} Co _{0.2} O ₂ Electrode Material From a New LiCoNi Mixed-Citrate Precursor. <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 2698-2705	2.3	10
30	Clay-Organic Interactions 2004 ,		1
29	Intercalation of Poly(Ethylene Oxide) Derivatives into Layered Double Hydroxides. <i>European Journal of Inorganic Chemistry</i> , 2003 , 2003, 1242-1251	2.3	59
28	Nanocomposite materials based on organopolysiloxane/macrocyle systems for electrochemical sensors. <i>Journal of Materials Processing Technology</i> , 2003 , 143-144, 5-10	5.3	11
27	Electrical characterization of poly(ethylene oxide)-clay nanocomposites prepared by microwave irradiation. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003 , 41, 3249-3263	2.6	76
26	Fe-containing pillared clays as catalysts for phenol hydroxylation. <i>Applied Clay Science</i> , 2003 , 22, 263-277	5.2	59
25	Porous membranes for the preparation of magnetic nanostructures. <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 249, 214-219	2.8	36
24	A new silver-ion selective sensor based on a polythiacrown-ether entrapped by sol-gel. <i>Electrochimica Acta</i> , 2002 , 47, 2281-2287	6.7	36
23	Hybrid materials based on vanadium pentoxide intercalation complexes. <i>Colloid and Polymer Science</i> , 2001 , 279, 990-1004	2.4	20
22	INORGANIC-ORGANIC NANOCOMPOSITE MATERIALS BASED ON MACROCYCLIC COMPOUNDS. <i>Reviews in Inorganic Chemistry</i> , 2001 , 21, 125-159	2.4	35
21	Characterization of cobalt nanowires by means of force microscopy. <i>IEEE Transactions on Magnetics</i> , 2000 , 36, 2981-2983	2	13
20	Insertion of In(III) and Ga(III) into MPS3 (M = Mn, Cd) layered materials. <i>Materials Research Bulletin</i> , 1999 , 34, 673-683	5.1	7
19	Poly(ethylene oxide)/NH ₄ ⁺ -smectite nanocomposites. <i>Applied Clay Science</i> , 1999 , 15, 119-135	5.2	102

18	Reactive nanocomposites based on pillared clays. <i>Journal of Materials Chemistry</i> , 1999 , 9, 161-167		28
17	Proton conductivity in Al-montmorillonite pillared clays. <i>Solid State Ionics</i> , 1996 , 85, 313-317	3.3	16
16	Water transport across polystyrenesulfonate/alumina composite membranes. <i>Journal of Membrane Science</i> , 1995 , 99, 185-195	9.6	37
15	Pervaporation separation of ethanol/water mixtures by polystyrenesulfonate/alumina composite membranes. <i>Journal of Membrane Science</i> , 1995 , 107, 199-207	9.6	26
14	Composite membranes based on macrocycle/polysiloxanes: preparation, characterization and electrochemical behaviour. <i>Journal of Materials Chemistry</i> , 1995 , 5, 817-825		24
13	Electrochemical characterization of composite membranes based on crown-ethers intercalated into montmorillonite. <i>Colloid and Polymer Science</i> , 1994 , 272, 712-720	2.4	19
12	New polyelectrolyte materials based on smectite polyoxyethylene intercalation compounds. <i>Acta Polymerica</i> , 1994 , 45, 59-67		55
11	Intercalation of Macrocyclic Compounds (Crown Ethers and Cryptands) into 2:1 Phyllosilicates. Stability and Calorimetric Study. <i>Langmuir</i> , 1994 , 10, 1207-1212	4	32
10	Organosilicic membranes doped with crown-ethers. <i>Journal of Materials Chemistry</i> , 1993 , 3, 687-688		13
9	New polyoxyethylene intercalation materials in vanadium oxide xerogel. <i>Journal of Materials Chemistry</i> , 1992 , 2, 581		32
8	Poly(ethylene oxide)-silicate intercalation materials. <i>Chemistry of Materials</i> , 1992 , 4, 1395-1403	9.6	472
7	Ionic conductivity in layer silicates controlled by intercalation of macrocyclic and polymeric oxyethylene compounds. <i>Electrochimica Acta</i> , 1992 , 37, 1573-1577	6.7	47
6	Polymer-salt intercalation complexes in layer silicates. <i>Advanced Materials</i> , 1990 , 2, 545-547	24	182
5	Oxyhalide Molybdenum(V) Complexes with Diamines. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 1988 , 18, 1039-1048		
4	An Introduction to Bio-nanohybrid Materials1-40		10
3	Nafion/ SiO ₂ @ TiO ₂ -palygorskite membranes with improved proton conductivity. <i>Journal of Applied Polymer Science</i> ,52208	2.9	1
2	Inorganic Heterostructured Materials Based on Clay Minerals21-40		2
1	Inorganic Nanoarchitectures Based on Sepiolite87-100		3

