

Serena Riela

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97
papers

3,516
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h-index

56
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108
ext. papers

3,938
ext. citations

4.4
avg, IF

5.45
L-index

#	Paper	IF	Citations
97	Halloysite nanotubes as support for metal-based catalysts. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 13276-13293	13	163
96	Hydrophobically Directed Aldol Reactions: Polystyrene-Supported L-Proline as a Recyclable Catalyst for Direct Asymmetric Aldol Reactions in the Presence of Water. <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 4688-4698	3.2	142
95	Halloysite nanotubes loaded with peppermint essential oil as filler for functional biopolymer film. <i>Carbohydrate Polymers</i> , 2016 , 152, 548-557	10.3	139
94	Supported Ionic Liquids. New Recyclable Materials for the L-Proline-Catalyzed Aldol Reaction. <i>Advanced Synthesis and Catalysis</i> , 2006 , 348, 82-92	5.6	134
93	Supported ionic liquid asymmetric catalysis. A new method for chiral catalysts recycling. The case of proline-catalyzed aldol reaction. <i>Tetrahedron Letters</i> , 2004 , 45, 6113-6116	2	127
92	Covalently modified halloysite clay nanotubes: synthesis, properties, biological and medical applications. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 2867-2882	7.3	121
91	Direct chemical grafted curcumin on halloysite nanotubes as dual-responsive prodrug for pharmacological applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 140, 505-513	6	120
90	Synthesis and Characterization of Halloysite-Cyclodextrin Nanosponges for Enhanced Dyes Adsorption. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 3346-3352	8.3	108
89	The interaction of native DNA with Zn(II) and Cu(II) complexes of 5-triethyl ammonium methyl salicylidene orto-phenylendiimine. <i>Journal of Inorganic Biochemistry</i> , 2007 , 101, 841-8	4.2	100
88	New Simple Hydrophobic Proline Derivatives as Highly Active and Stereoselective Catalysts for the Direct Asymmetric Aldol Reaction in Aqueous Medium. <i>Advanced Synthesis and Catalysis</i> , 2008 , 350, 2747-2760	5.6	100
87	Development and characterization of co-loaded curcumin/triazole-halloysite systems and evaluation of their potential anticancer activity. <i>International Journal of Pharmaceutics</i> , 2014 , 475, 613-23	6.5	91
86	Biocompatible Poly(N-isopropylacrylamide)-halloysite Nanotubes for Thermoresponsive Curcumin Release. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 8944-8951	3.8	86
85	Multicavity halloysite-amphiphilic cyclodextrin hybrids for co-delivery of natural drugs into thyroid cancer cells. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 4074-4081	7.3	72
84	Design of PNIPAAm covalently grafted on halloysite nanotubes as a support for metal-based catalysts. <i>RSC Advances</i> , 2016 , 6, 55312-55318	3.7	71
83	Eco-friendly functionalization of natural halloysite clay nanotube with ionic liquids by microwave irradiation for Suzuki coupling reaction. <i>Journal of Organometallic Chemistry</i> , 2014 , 749, 410-415	2.3	71
82	Functionalized halloysite multivalent glycocluster as a new drug delivery system. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 7732-7738	7.3	70
81	Chemical modification of halloysite nanotubes for controlled loading and release. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 3415-3433	7.3	67

80	Halloysite nanotubes for efficient loading, stabilization and controlled release of insulin. <i>Journal of Colloid and Interface Science</i> , 2018 , 524, 156-164	9.3	62
79	A synergic nanoantioxidant based on covalently modified halloysite-trolox nanotubes with intra-lumen loaded quercetin. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 2229-2241	7.3	62
78	Functionalized halloysite nanotubes for enhanced removal of lead(II) ions from aqueous solutions. <i>Applied Clay Science</i> , 2018 , 156, 87-95	5.2	59
77	Isolation of Gram-positive n-alkane degraders from a hydrocarbon-contaminated Mediterranean shoreline. <i>Journal of Applied Microbiology</i> , 2008 , 104, 251-9	4.7	57
76	The Use of Some Clay Minerals as Natural Resources for Drug Carrier Applications. <i>Journal of Functional Biomaterials</i> , 2018 , 9,	4.8	56
75	Pharmaceutical properties of supramolecular assembly of co-loaded cardanol/triazole-halloysite systems. <i>International Journal of Pharmaceutics</i> , 2015 , 478, 476-85	6.5	55
74	Selective Functionalization of Halloysite Cavity by Click Reaction: Structured Filler for Enhancing Mechanical Properties of Bionanocomposite Films. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 15095-15101	3.8	54
73	Palladium supported on Halloysite-triazolium salts as catalyst for ligand free Suzuki cross-coupling in water under microwave irradiation. <i>Journal of Molecular Catalysis A</i> , 2015 , 408, 12-19		50
72	Dual drug-loaded halloysite hybrid-based glycocluster for sustained release of hydrophobic molecules. <i>RSC Advances</i> , 2016 , 6, 87935-87944	3.7	49
71	Past, Present and Future Perspectives on Halloysite Clay Minerals. <i>Molecules</i> , 2020 , 25,	4.8	45
70	Cyclodextrin-calixarene co-polymers as a new class of nanosponges. <i>Polymer Chemistry</i> , 2014 , 5, 4499-4510	4.9	44
69	Hybrid supramolecular gels of Fmoc-F/halloysite nanotubes: systems for sustained release of camptothecin. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 3217-3229	7.3	42
68	Thermodynamics of binding between β -cyclodextrins and some p-nitro-aniline derivatives: reconsidering the enthalpy-entropy compensation effect. <i>Tetrahedron</i> , 2004 , 60, 9099-9111	2.4	42
67	Green conditions for the Suzuki reaction using microwave irradiation and a new HNT-supported ionic liquid-like phase (HNT-SILLP) catalyst. <i>Applied Organometallic Chemistry</i> , 2014 , 28, 234-238	3.1	41
66	Ecotoxicity of halloysite nanotube-supported palladium nanoparticles in <i>Raphanus sativus</i> L. <i>Environmental Toxicology and Chemistry</i> , 2016 , 35, 2503-2510	3.8	41
65	Effects of solvent-free microwave extraction on the chemical composition of essential oil of <i>Calamintha nepeta</i> (L.) Savi compared with the conventional production method. <i>Journal of Separation Science</i> , 2008 , 31, 1110-7	3.4	39
64	Spectrophotometric study on the thermodynamics of binding of alpha- and beta-cyclodextrin towards some p-nitrobenzene derivatives. <i>Organic and Biomolecular Chemistry</i> , 2003 , 1, 1584-90	3.9	38
63	Clay-based drug-delivery systems: what does the future hold?. <i>Therapeutic Delivery</i> , 2017 , 8, 633-646	3.8	37

62	Halloysite nanotubes-carbon dots hybrids multifunctional nanocarrier with positive cell target ability as a potential non-viral vector for oral gene therapy. <i>Journal of Colloid and Interface Science</i> , 2019 , 552, 236-246	9.3	36
61	Functionalized halloysite nanotubes: Efficient carrier systems for antifungine drugs. <i>Applied Clay Science</i> , 2018 , 160, 186-192	5.2	36
60	Palladium nanoparticles immobilized on halloysite nanotubes covered by a multilayer network for catalytic applications. <i>New Journal of Chemistry</i> , 2018 , 42, 13938-13947	3.6	36
59	Studies on the stereoselective selenolactonization, hydroxy and methoxy selenenylation of β - and δ -hydroxy acids and esters. Synthesis of β - and δ -lactones. <i>Tetrahedron</i> , 2003 , 59, 2241-2251	2.4	36
58	Ecocompatible Halloysite/Cucurbit[8]uril Hybrid as Efficient Nanosponge for Pollutants Removal. <i>ChemistrySelect</i> , 2016 , 1, 1773-1779	1.8	31
57	One-pot synthesis of ZnO nanoparticles supported on halloysite nanotubes for catalytic applications. <i>Applied Clay Science</i> , 2020 , 189, 105527	5.2	30
56	Host-guest interactions involving cyclodextrins: useful complementary insights achieved by polarimetry. <i>Tetrahedron</i> , 2007 , 63, 9163-9171	2.4	27
55	Synthesis of 2,4,6-trisubstituted tetrahydropyrans via 6-exo selenoetherification of unsaturated alcohols. <i>Tetrahedron Letters</i> , 2001 , 42, 2213-2215	2	27
54	Photoluminescent hybrid nanomaterials from modified halloysite nanotubes. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 7377-7384	7.1	26
53	Host-guest interactions between beta-cyclodextrin and the (Z)-phenylhydrazone of 3-benzoyl-5-phenyl-1,2,4-oxadiazole: the first kinetic study of a ring-ring interconversion in a "confined environment". <i>Journal of Organic Chemistry</i> , 2002 , 67, 2948-53	4.2	25
52	Gold nanoparticles stabilized by modified halloysite nanotubes for catalytic applications. <i>Applied Organometallic Chemistry</i> , 2019 , 33, e4665	3.1	25
51	Chemical and pharmaceutical evaluation of the relationship between triazole linkers and pore size on cyclodextrin-calixarene nanosponges used as carriers for natural drugs. <i>RSC Advances</i> , 2016 , 6, 50858-50866	3.7	23
50	Binding equilibria between β -cyclodextrin and p-nitro-aniline derivatives: the first systematic study in mixed water-methanol solvent systems. <i>Tetrahedron</i> , 2009 , 65, 2037-2042	2.4	22
49	Multifunctional Carrier Based on Halloysite/Laponite Hybrid Hydrogel for Kartogenin Delivery. <i>ACS Medicinal Chemistry Letters</i> , 2019 , 10, 419-424	4.3	22
48	Spectrophotometric determination of binding constants between some aminocyclodextrins and nitrobenzene derivatives at various pH values. <i>Tetrahedron</i> , 2002 , 58, 6039-6045	2.4	21
47	Silver nanoparticles stabilized by a polyaminocyclodextrin as catalysts for the reduction of nitroaromatic compounds. <i>Journal of Molecular Catalysis A</i> , 2015 , 408, 250-261		20
46	Sequential Suzuki/Asymmetric Aldol and Suzuki/Knoevenagel Reactions Under Aqueous Conditions. <i>European Journal of Organic Chemistry</i> , 2012 , 2012, 2635-2642	3.2	20
45	First Evidence of Proline Acting as a Bifunctional Catalyst in the Baylis-Hillman Reaction Between Alkyl Vinyl Ketones and Aryl Aldehydes. <i>European Journal of Organic Chemistry</i> , 2008 , 2008, 1589-1596	3.2	19

44	Polarimetry as a useful tool for the determination of binding constants between cyclodextrins and organic guest molecules. <i>Tetrahedron Letters</i> , 2006 , 47, 9099-9102	2	18
43	Spectrophotometric determinations of binding constants between cyclodextrins and aromatic nitrogen substrates at various pH values. <i>Tetrahedron</i> , 2001 , 57, 6823-6827	2.4	17
42	Halloysite nanotubes: a green resource for materials and life sciences. <i>Rendiconti Lincei</i> , 2020 , 31, 213-2217		16
41	Binding properties of mono-(6-deoxy-6-amino)- β -cyclodextrin towards p-nitroaniline derivatives: a polarimetric study. <i>Tetrahedron</i> , 2009 , 65, 10413-10417	2.4	16
40	Chiral recognition of protected amino acids by means of fluorescent binary complex pyrene/heptakis-(6-amino)-(6-deoxy)- β -cyclodextrin. <i>Tetrahedron</i> , 2006 , 62, 4323-4330	2.4	16
39	Effect of halloysite nanotubes filler on polydopamine properties. <i>Journal of Colloid and Interface Science</i> , 2019 , 555, 394-402	9.3	15
38	A spectrofluorimetric study of binary fluorophore-cyclodextrin complexes used as chiral selectors. <i>Tetrahedron</i> , 2005 , 61, 4577-4583	2.4	15
37	A joint experimental and ab initio study on the reactivity of several hydroxy selenides. Stereoselective synthesis of cis-disubstituted tetrahydrofurans via seleniranium ions. <i>Tetrahedron</i> , 2001 , 57, 6815-6822	2.4	15
36	A study on the essential oil of <i>Ferulago campestris</i> : how much does extraction method influence the oil composition?. <i>Journal of Separation Science</i> , 2011 , 34, 483-92	3.4	14
35	Cyclodextrin-[60]fullerene conjugates: synthesis, characterization, and electrochemical behavior. <i>Tetrahedron Letters</i> , 2006 , 47, 8105-8108	2	14
34	Chemical and biological evaluation of cross-linked halloysite-curcumin derivatives. <i>Applied Clay Science</i> , 2020 , 184, 105400	5.2	14
33	Efficient microwave-mediated synthesis of fullerene acceptors for organic photovoltaics. <i>RSC Advances</i> , 2014 , 4, 63200-63207	3.7	13
32	Synthesis and characterization of new polyamino-cyclodextrin materials. <i>Carbohydrate Research</i> , 2012 , 347, 32-9	2.9	13
31	Microwave-assisted synthesis of novel cyclodextrin-curcumin complexes. <i>Supramolecular Chemistry</i> , 2011 , 23, 819-828	1.8	12
30	Lipase-catalyzed resolution of β -hydroxy selenides. <i>Tetrahedron: Asymmetry</i> , 2006 , 17, 2713-2721		12
29	The binary pyrene/heptakis-(6-amino-6-deoxy)- β -cyclodextrin complex: a suitable chiral discriminator. Spectrofluorimetric study of the effect of some amino acids and esters on the stability of the binary complex. <i>Tetrahedron: Asymmetry</i> , 2002 , 13, 1755-1760		12
28	Stability and stoichiometry of some binary fluorophore-cyclodextrin complexes. <i>Tetrahedron</i> , 2004 , 60, 5309-5314	2.4	11
27	Boosting the properties of a fluorescent dye by encapsulation into halloysite nanotubes. <i>Dyes and Pigments</i> , 2021 , 187, 109094	4.6	11

26	Evaluation of the contribution of lignin stilbene phenol units in the photoyellowing of peroxide-bleached lignin-rich pulps. <i>Journal of Applied Polymer Science</i> , 1998 , 69, 2517-2531	2.9	10
25	Organo-Clay Nanomaterials Based on Halloysite and Cyclodextrin as Carriers for Polyphenolic Compounds. <i>Journal of Functional Biomaterials</i> , 2018 , 9,	4.8	10
24	Binding properties of heptakis-(2,6-di-O-methyl)- β -cyclodextrin and mono-(3,6-anhydro)- β -cyclodextrin: a polarimetric study. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2011 , 71, 121-127		9
23	Micellization properties of cardanol as a renewable co-surfactant. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 9214-22	3.9	8
22	Diastereoselective synthesis of 2-phenylselenenyl-1,3-anti-diols and 2-phenylselenenyl-1,3-anti-azido-alcohols via hydroxy and azido-selenenylation reactions. <i>Molecules</i> , 2005 , 10, 383-93	4.8	8
21	Synthesis, characterization and study of covalently modified triazole LAPONITE \square edges. <i>Applied Clay Science</i> , 2020 , 187, 105489	5.2	7
20	Binding abilities of polyaminocyclodextrins: polarimetric investigations and biological assays. <i>Beilstein Journal of Organic Chemistry</i> , 2017 , 13, 2751-2763	2.5	7
19	The Daily Consumption of Cola Can Determine Hypocalcemia: A Case Report of Postsurgical Hypoparathyroidism-Related Hypocalcemia Refractory to Supplemental Therapy with High Doses of Oral Calcium. <i>Frontiers in Endocrinology</i> , 2017 , 8, 7	5.7	7
18	Diastereoselective Synthesis of Substituted 2-Phenyltetrahydropyrans as Useful Precursors of Aryl C-Glycosides via Selenoetherification. <i>Heterocycles</i> , 2004 , 63, 681	0.8	7
17	Ciprofloxacin carrier systems based on hectorite/halloysite hybrid hydrogels for potential wound healing applications. <i>Applied Clay Science</i> , 2021 , 215, 106310	5.2	6
16	Pyrazole[3,4-d]pyrimidine derivatives loaded into halloysite as potential CDK inhibitors. <i>International Journal of Pharmaceutics</i> , 2021 , 599, 120281	6.5	5
15	Current Status of Nanoclay Phytotoxicity 2018 , 151-174		5
14	Halloysite -Based Bionanocomposites 2017 , 557-584		4
13	Synthesis and Characterization of Nanomaterial Based on Halloysite and Hectorite Clay Minerals Covalently Bridged. <i>Nanomaterials</i> , 2021 , 11,	5.4	4
12	Study of Uptake Mechanisms of Halloysite Nanotubes in Different Cell Lines. <i>International Journal of Nanomedicine</i> , 2021 , 16, 4755-4768	7.3	4
11	Covalently modified nanoclays: synthesis, properties and applications 2020 , 305-333		3
10	Prodrug based on halloysite delivery systems to improve the antitumor ability of methotrexate in leukemia cell lines.. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022 , 213, 112385	6	3
9	Stereoselective Synthesis of Substituted Tetrahydropyran Rings via 6-exo and 6-endo Selenoetherification. <i>Heterocycles</i> , 2002 , 57, 293	0.8	3

8	Site-specific halloysite functionalization by polydopamine: A new synthetic route for potential near infrared-activated delivery system. <i>Journal of Colloid and Interface Science</i> , 2022 , 606, 1779-1791	9.3	3
7	Binding abilities of new cyclodextrin β -curbituril supramolecular hosts. <i>Supramolecular Chemistry</i> , 2015 , 27, 233-243	1.8	2
6	Colloidal stability and self-assembling behavior of nanoclays 2020 , 95-116		2
5	Lipase-catalyzed resolution of anti-6-substituted 1,3-dioxepan-5-ols. <i>Tetrahedron: Asymmetry</i> , 2006 , 17, 3128-3134		2
4	Halloysite Nanotubes: Smart Nanomaterials in Catalysis. <i>Catalysts</i> , 2022 , 12, 149	4	2
3	Supramolecular Association of Halochromic Switches and Halloysite Nanotubes in Fluorescent Nanoprobes for Tumor Detection. <i>ACS Applied Nano Materials</i> ,	5.6	2
2	FUNCTIONALIZED HALLOYSITE NANOTUBES FOR ENHANCED REMOVAL OF Hg ²⁺ IONS FROM AQUEOUS SOLUTIONS. <i>Clays and Clay Minerals</i> , 2021 , 69, 117-127	2.1	1
1	Nanocarrier based on halloysite and fluorescent probe for intracellular delivery of peptide nucleic acids.. <i>Journal of Colloid and Interface Science</i> , 2022 , 620, 221-233	9.3	1