

Serena Riela

List of Publications by Year in descending order

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98
papers

4,403
citations

81900

39
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114465

63
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108
all docs

108
docs citations

108
times ranked

3823
citing authors

#	ARTICLE	IF	CITATIONS
1	Halloysite nanotubes as support for metal-based catalysts. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13276-13293.	10.3	228
2	Halloysite nanotubes loaded with peppermint essential oil as filler for functional biopolymer film. <i>Carbohydrate Polymers</i> , 2016, 152, 548-557.	10.2	188
3	Covalently modified halloysite clay nanotubes: synthesis, properties, biological and medical applications. <i>Journal of Materials Chemistry B</i> , 2017, 5, 2867-2882.	5.8	165
4	Hydrophobically Directed Aldol Reactions: Polystyrene- β -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.	2.4	150
5	Supported Ionic Liquids. New Recyclable Materials for the β -Proline-Catalyzed Aldol Reaction. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 82-92.	4.3	143
6	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.	5.0	140
7	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.	1.4	136
8	Synthesis and Characterization of Halloysite- α -Cyclodextrin Nanosponges for Enhanced Dyes Adsorption. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 3346-3352.	6.7	124
9	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, 841-848.	3.5	108
10	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.	4.3	108
11	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, 613-623.	5.2	106
12	Biocompatible Poly(<i>N</i> -isopropylacrylamide)-halloysite Nanotubes for Thermoresponsive Curcumin Release. <i>Journal of Physical Chemistry C</i> , 2015, 119, 8944-8951.	3.1	98
13	Chemical modification of halloysite nanotubes for controlled loading and release. <i>Journal of Materials Chemistry B</i> , 2018, 6, 3415-3433.	5.8	97
14	The Use of Some Clay Minerals as Natural Resources for Drug Carrier Applications. <i>Journal of Functional Biomaterials</i> , 2018, 9, 58.	4.4	96
15	Past, Present and Future Perspectives on Halloysite Clay Minerals. <i>Molecules</i> , 2020, 25, 4863.	3.8	88
16	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.	1.8	81
17	Halloysite nanotubes for efficient loading, stabilization and controlled release of insulin. <i>Journal of Colloid and Interface Science</i> , 2018, 524, 156-164.	9.4	80
18	Functionalized halloysite multivalent glycocluster as a new drug delivery system. <i>Journal of Materials Chemistry B</i> , 2014, 2, 7732-7738.	5.8	77

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19	Multicavity halloysite- α -amphiphilic cyclodextrin hybrids for co-delivery of natural drugs into thyroid cancer cells. <i>Journal of Materials Chemistry B</i> , 2015, 3, 4074-4081.	5.8	77
20	Design of PNIPAAm covalently grafted on halloysite nanotubes as a support for metal-based catalysts. <i>RSC Advances</i> , 2016, 6, 55312-55318.	3.6	75
21	Isolation of Gram-positive n-alkane degraders from a hydrocarbon-contaminated Mediterranean shoreline. <i>Journal of Applied Microbiology</i> , 2007, 104, 071008041820011-???	3.1	74
22	Functionalized halloysite nanotubes for enhanced removal of lead(II) ions from aqueous solutions. <i>Applied Clay Science</i> , 2018, 156, 87-95.	5.2	74
23	A synergic nanoantioxidant based on covalently modified halloysite- α -trolox nanotubes with intra-lumen loaded quercetin. <i>Journal of Materials Chemistry B</i> , 2016, 4, 2229-2241.	5.8	69
24	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.	3.1	61
25	One-pot synthesis of ZnO nanoparticles supported on halloysite nanotubes for catalytic applications. <i>Applied Clay Science</i> , 2020, 189, 105527.	5.2	61
26	Cyclodextrin- α -calixarene co-polymers as a new class of nanosponges. <i>Polymer Chemistry</i> , 2014, 5, 4499-4510.	3.9	58
27	Pharmaceutical properties of supramolecular assembly of co-loaded cardanol/triazole-halloysite systems. <i>International Journal of Pharmaceutics</i> , 2015, 478, 476-485.	5.2	57
28	Dual drug-loaded halloysite hybrid-based glycocluster for sustained release of hydrophobic molecules. <i>RSC Advances</i> , 2016, 6, 87935-87944.	3.6	53
29	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.	5.8	53
30	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.	4.8	52
31	Ecotoxicity of halloysite nanotube- α -supported palladium nanoparticles in <i>Raphanus sativus</i> L. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 2503-2510.	4.3	52
32	Clay-based drug-delivery systems: what does the future hold?. <i>Therapeutic Delivery</i> , 2017, 8, 633-646.	2.2	49
33	Studies on the stereoselective selenolactonization, hydroxy and methoxy selenenylation of $\hat{1}$ - and $\hat{2}$ -hydroxy acids and esters. Synthesis of $\hat{1}$ - and $\hat{2}$ -lactones. <i>Tetrahedron</i> , 2003, 59, 2241-2251.	1.9	47
34	Green conditions for the Suzuki reaction using microwave irradiation and a new HNT- α -supported ionic liquid-like phase (HNT- α -SILLP) catalyst. <i>Applied Organometallic Chemistry</i> , 2014, 28, 234-238.	3.5	47
35	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.	9.4	47
36	Palladium nanoparticles immobilized on halloysite nanotubes covered by a multilayer network for catalytic applications. <i>New Journal of Chemistry</i> , 2018, 42, 13938-13947.	2.8	46

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37	Thermodynamics of binding between $\hat{1}$ - and $\hat{2}$ -cyclodextrins and some p-nitro-aniline derivatives: reconsidering the enthalpy-entropy compensation effect. <i>Tetrahedron</i> , 2004, 60, 9099-9111.	1.9	45
38	Functionalized halloysite nanotubes: Efficient carrier systems for antifungine drugs. <i>Applied Clay Science</i> , 2018, 160, 186-192.	5.2	45
39	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, 1110-1117.	2.5	43
40	Spectrophotometric study on the thermodynamics of binding of $\hat{1}$ - and $\hat{2}$ -cyclodextrin towards some p-nitrobenzene derivatives. Electronic supplementary information (ESI) available: Values of inclusion constants at different temperatures. See http://www.rsc.org/suppdata/ob/b3/b300330b/ . <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 1584-1590.	2.8	39
41	Multifunctional Carrier Based on Halloysite/Laponite Hybrid Hydrogel for Kartogenin Delivery. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 419-424.	2.8	39
42	Ecocompatible Halloysite/Cucurbit[8]uril Hybrid as Efficient Nanosponge for Pollutants Removal. <i>ChemistrySelect</i> , 2016, 1, 1773-1779.	1.5	38
43	Photoluminescent hybrid nanomaterials from modified halloysite nanotubes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7377-7384.	5.5	35
44	Gold nanoparticles stabilized by modified halloysite nanotubes for catalytic applications. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4665.	3.5	34
45	Synthesis of 2,4,6-trisubstituted tetrahydropyrans via 6-exo selenoetherification of unsaturated alcohols. <i>Tetrahedron Letters</i> , 2001, 42, 2213-2215.	1.4	33
46	Halloysite nanotubes: a green resource for materials and life sciences. <i>Rendiconti Lincei</i> , 2020, 31, 213-221.	2.2	29
47	Host-guest interactions involving cyclodextrins: useful complementary insights achieved by polarimetry. <i>Tetrahedron</i> , 2007, 63, 9163-9171.	1.9	28
48	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.	3.6	28
49	Host-Guest Interactions between $\hat{2}$ -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, 2948-2953.	3.2	27
50	Binding equilibria between $\hat{2}$ -cyclodextrin and p-nitro-aniline derivatives: the first systematic study in mixed water-methanol solvent systems. <i>Tetrahedron</i> , 2009, 65, 2037-2042.	1.9	26
51	Halloysite Nanotubes: Smart Nanomaterials in Catalysis. <i>Catalysts</i> , 2022, 12, 149.	3.5	25
52	Spectrophotometric determination of binding constants between some aminocyclodextrins and nitrobenzene derivatives at various pH values. <i>Tetrahedron</i> , 2002, 58, 6039-6045.	1.9	23
53	Sequential Suzuki/Asymmetric Aldol and Suzuki/Knoevenagel Reactions Under Aqueous Conditions. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 2635-2642.	2.4	23
54	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.	4.8	23

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55	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.	2.4	22
56	Effect of halloysite nanotubes filler on polydopamine properties. <i>Journal of Colloid and Interface Science</i> , 2019, 555, 394-402.	9.4	22
57	Boosting the properties of a fluorescent dye by encapsulation into halloysite nanotubes. <i>Dyes and Pigments</i> , 2021, 187, 109094.	3.7	20
58	Spectrophotometric determinations of binding constants between cyclodextrins and aromatic nitrogen substrates at various pH values. <i>Tetrahedron</i> , 2001, 57, 6823-6827.	1.9	19
59	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.	1.4	19
60	Efficient microwave-mediated synthesis of fullerene acceptors for organic photovoltaics. <i>RSC Advances</i> , 2014, 4, 63200-63207.	3.6	19
61	Chemical and biological evaluation of cross-linked halloysite-curcumin derivatives. <i>Applied Clay Science</i> , 2020, 184, 105400.	5.2	19
62	Synthesis, characterization and study of covalently modified triazole LAPONITE® edges. <i>Applied Clay Science</i> , 2020, 187, 105489.	5.2	19
63	Ciprofloxacin carrier systems based on hectorite/halloysite hybrid hydrogels for potential wound healing applications. <i>Applied Clay Science</i> , 2021, 215, 106310.	5.2	19
64	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.	1.9	18
65	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, 483-492.	2.5	18
66	Synthesis and Characterization of Nanomaterial Based on Halloysite and Hectorite Clay Minerals Covalently Bridged. <i>Nanomaterials</i> , 2021, 11, 506.	4.1	18
67	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.	1.9	17
68	Cyclodextrin-[60]fullerene conjugates: synthesis, characterization, and electrochemical behavior. <i>Tetrahedron Letters</i> , 2006, 47, 8105-8108.	1.4	17
69	Binding properties of mono-(6-deoxy-6-amino)- β -cyclodextrin towards p-nitroaniline derivatives: a polarimetric study. <i>Tetrahedron</i> , 2009, 65, 10413-10417.	1.9	16
70	A spectrofluorimetric study of binary fluorophore-cyclodextrin complexes used as chiral selectors. <i>Tetrahedron</i> , 2005, 61, 4577-4583.	1.9	15
71	Microwave-assisted synthesis of novel cyclodextrin-cucurbituril complexes. <i>Supramolecular Chemistry</i> , 2011, 23, 819-828.	1.2	15
72	Synthesis and characterization of new polyamino-cyclodextrin materials. <i>Carbohydrate Research</i> , 2012, 347, 32-39.	2.3	15

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73	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.	9.4	15
74	Organo-Clay Nanomaterials Based on Halloysite and Cyclodextrin as Carriers for Polyphenolic Compounds. <i>Journal of Functional Biomaterials</i> , 2018, 9, 61.	4.4	14
75	Pyrazole[3,4-d]pyrimidine derivatives loaded into halloysite as potential CDK inhibitors. <i>International Journal of Pharmaceutics</i> , 2021, 599, 120281.	5.2	14
76	Study of Uptake Mechanisms of Halloysite Nanotubes in Different Cell Lines. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 4755-4768.	6.7	14
77	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.	9.4	14
78	The binary pyrene/heptakis-(6-amino-6-deoxy)- β -cyclodextrin complex: a suitable chiral discriminator. Spectrofluorimetric study of the effect of some α -amino acids and esters on the stability of the binary complex. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 1755-1760.	1.8	13
79	Lipase-catalyzed resolution of β -hydroxy selenides. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 2713-2721.	1.8	13
80	Stability and stoichiometry of some binary fluorophore-cyclodextrin complexes. <i>Tetrahedron</i> , 2004, 60, 5309-5314.	1.9	11
81	Micellization properties of cardanol as a renewable co-surfactant. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 9214-9222.	2.8	11
82	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.	5.0	11
83	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.	2.6	10
84	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, 383-393.	3.8	10
85	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.	1.6	9
86	Binding abilities of polyaminocyclodextrins: polarimetric investigations and biological assays. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 2751-2763.	2.2	9
87	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.	3.5	8
88	Diastereoselective Synthesis of Substituted 2-Phenyltetrahydropyrans as Useful Precursors of Aryl C-Glycosides via Selenoetherification. <i>Heterocycles</i> , 2004, 63, 681.	0.7	7
89	Current Status of Nanoclay Phytotoxicity. , 2018, , 151-174.		7
90	Supramolecular Association of Halochromic Switches and Halloysite Nanotubes in Fluorescent Nanoprobes for Tumor Detection. <i>ACS Applied Nano Materials</i> , 2022, 5, 13729-13736.	5.0	7

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91	Covalently modified nanoclays: synthesis, properties and applications. , 2020, , 305-333.		5
92	FUNCTIONALIZED HALLOYSITE NANOTUBES FOR ENHANCED REMOVAL OF Hg ²⁺ IONS FROM AQUEOUS SOLUTIONS. Clays and Clay Minerals, 2021, 69, 117-127.	1.3	5
93	Binding abilities of new cyclodextrinâ€“cucurbituril supramolecular hosts. Supramolecular Chemistry, 2015, 27, 233-243.	1.2	4
94	Colloidal stability and self-assembling behavior of nanoclays. , 2020, , 95-116.		4
95	Stereoselective Synthesis of Substituted Tetrahydropyran Rings via 6-exo and 6-endo Selenoetherification. Heterocycles, 2002, 57, 293.	0.7	4
96	Supported Ionic Liquid Asymmetric Catalysis. A New Method for Chiral Catalysts Recycling. The Case of Proline-Catalyzed Aldol Reaction.. ChemInform, 2004, 35, no.	0.0	2
97	Lipase-catalyzed resolution of anti-6-substituted 1,3-dioxepan-5-ols. Tetrahedron: Asymmetry, 2006, 17, 3128-3134.	1.8	2
98	Studies on the Stereoselective Selenolactonization, Hydroxy and Methoxy Selenenylation of Î±- and Î²-Hydroxy Acids and Esters. Synthesis of Î±- and Î²-Lactones.. ChemInform, 2003, 34, no.	0.0	0