Jan RomaÅ„ski

List of Publications by Year
in descending order

42	828	430754	526166
papers	citations	18 h-index	27 g-index

42	42	42	737
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Selective Ammonium Nitrate Recognition by a Heteroditopic Macrotricyclic Ion-Pair Receptor. Journal of Organic Chemistry, 2013, 78, 4341-4347.	1.7	48
2	Ferrocene functionalized multi-walled carbon nanotubes as supercapacitor electrodes. Journal of Molecular Liquids, 2020, 318, 114064.	2.3	47
3	Ion-pair induced supramolecular assembly formation for selective extraction and sensing of potassium sulfate. Chemical Science, 2019, 10, 9542-9547.	3.7	45
4	Tuning the binding properties of a new heteroditopic salt receptor through embedding in a polymeric system. Chemical Communications, 2012, 48, 11346.	2.2	37
5	Degradable, thermo-, pH- and redox-sensitive hydrogel microcapsules for burst and sustained release of drugs. International Journal of Pharmaceutics, 2019, 569, 118589.	2.6	37
6	Stable and degradable microgels linked with cystine for storing and environmentally triggered release of drugs. Journal of Materials Chemistry B, 2015, 3, 7262-7270.	2.9	34
7	Dual Sensing by Simple Heteroditopic Salt Receptors Containing an Anthraquinone Unit. Inorganic Chemistry, 2016, 55, 3616-3623.	1.9	32
8	Oxidation of ferrocenemethanol grafted to a hydrogel network through cysteine for triggering volume phase transition. RSC Advances, 2013, 3, 23816.	1.7	31
9	Nanohydrogel with N,Nâ€² -bis(acryloyl)cystine crosslinker for high drug loading. International Journal of Pharmaceutics, 2017, 523, 336-342.	2.6	31
10	Recognition and Extraction of Sodium Chloride by a Squaramide-Based Ion Pair Receptor. Inorganic Chemistry, 2018, 57, 12941-12952.	1.9	29
11	Polymeric hydrogels modified with ornithine and lysine: Sorption and release of metal cations and amino acids. Journal of Polymer Science Part A, 2012, 50, 542-550.	2.5	27
12	The synthesis of oximes and nitroalkanes bearing a chiral auxiliary unit: convenient substrates for the preparation of enantiomerically pure nitrile oxides. Tetrahedron: Asymmetry, 2005, 16, 2257-2262.	1.8	26
13	Influence of polymer network-metal ion complexation on the swelling behaviour of new gels with incorporated Î±-amino acid groups. Soft Matter, 2010, 6, 1336.	1.2	23
14	Squaramide based ion pair receptors possessing ferrocene as a signaling unit. Inorganic Chemistry Frontiers, 2020, 7, 972-983.	3.0	22
15	Cooperative Transport and Selective Extraction of Sulfates by a Squaramide-Based Ion Pair Receptor: A Case of Adaptable Selectivity. Inorganic Chemistry, 2020, 59, 13749-13759.	1.9	21
16	Boosting the salt recognition abilities of <scp>l</scp>-ornithine based multitopic molecular receptors by harnessing a double cooperative effect. Dalton Transactions, 2014, 43, 8515-8522.	1.6	20
17	An ion pair receptor facilitating the extraction of chloride salt from the aqueous to the organic phase. New Journal of Chemistry, 2016, 40, 7190-7196.	1.4	20
18	Electroactive, Mediating and Thermosensitive Microgel Useful for Covalent Entrapment of Enzymes and Formation of Sensing Layer in Biosensors. Electroanalysis, 2018, 30, 2853-2860.	1.5	20

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19	Cooperative ion pair recognition by multitopic <scp>l</scp>-ornithine based salt receptors. New Journal of Chemistry, 2015, 39, 2090-2095.	1.4	19
20	New poly(N-Î´-acryloyl ornithine) gels cross-linked with N,Nâ€²-methylenebisacrylamide. Sorption properties. Polymer, 2010, 51, 2959-2964.	1.8	18
21	New ampholytic microgels based on N-isopropylacrylamide and Î±-amino acid: changes in swelling behavior as a function of temperature, pH and divalent cation concentration. RSC Advances, 2014, 4, 48905-48911.	1.7	18
22	Environmentally sensitive hydrogel functionalized with electroactive and complexingâ€iron(III) catechol groups. Journal of Polymer Science Part A, 2017, 55, 3236-3242.	2.5	18
23	Selective NaNO2 recognition by a simple heteroditopic salt receptor based on l-ornithine molecular scaffold. Dalton Transactions, 2013, 42, 15271.	1.6	17
24	A Novel Strategy for the Synthesis of Amphiphilic and Thermoresponsive Poly(N-isopropylacrylamide)-b-Polystyrene Block Copolymers via ATRP. Polymers, 2019, 11, 1484.	2.0	17
25	Asymmetric 1,3-dipolar cycloadditions of chiral carboxyloyl nitrile oxides to cycloalkenes. Tetrahedron: Asymmetry, 2007, 18, 865-872.	1.8	16
26	An environmentally sensitive three-component hybrid microgel. RSC Advances, 2016, 6, 83493-83500.	1.7	16
27	High-pressure transesterification of sterically hindered esters. Tetrahedron Letters, 2012, 53, 5287-5289.	0.7	15
28	Ion pair binding by an l-tyrosine-based polymerizable molecular receptor. New Journal of Chemistry, 2015, 39, 6216-6222.	1.4	15
29	Macrocyclic squaramides as ion pair receptors and fluorescent sensors selective towards sulfates. Dalton Transactions, 2021, 50, 3904-3915.	1.6	15
30	Diastereoselective 1,3â€Dipolar Cycloadditions of Chiral Derivatives of 2â€Oxoethanenitrile Oxide to Noncyclic Conjugated Symmetrical Alkenes. Helvetica Chimica Acta, 2007, 90, 2116-2131.	1.0	14
31	Degradable nanohydrogel with high doxorubicin loadings exhibiting controlled drug release and decreased toxicity against healthy cells. International Journal of Pharmaceutics, 2020, 579, 119188.	2.6	12
32	1,3â€Dipolar Cycloadditions of a 2â€Oxoethanenitrile Oxide Derived from (2R)â€Bornaneâ€10,2â€sultam to Electronically Modified 4,4â€²â€Disubstituted Stilbenes. Helvetica Chimica Acta, 2009, 92, 1056-1069.	1.0	10
33	Enantioselective recognition of sodium carboxylates by an 1,8-diaminoanthracene based ion pair receptor containing amino acid units. Tetrahedron Letters, 2016, 57, 3866-3869.	0.7	10
34	Highly Efficient, Tripodal Ion-Pair Receptors for Switching Selectivity between Acetates and Sulfates Using Solidâ€“Liquid and Liquidâ€“Liquid Extractions. International Journal of Molecular Sciences, 2020, 21, 9465.	1.8	8
35	Tripodal, Squaramide-Based Ion Pair Receptor for Effective Extraction of Sulfate Salt. Molecules, 2021, 26, 2751.	1.7	8
36	Fluorescence Recognition of Anions Using a Heteroditopic Receptor: Homogenous and Two-Phase Sensing. International Journal of Molecular Sciences, 2021, 22, 13396.	1.8	8

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37	Total synthesis of (5S)-dihydroyashabushiketol. Tetrahedron: Asymmetry, 2011, 22, 787-790.	1.8	7
38	The Effect of Substitution Pattern on Binding Ability in Regioisomeric Ion Pair Receptors Based on an Aminobenzoic Platform. Molecules, 2019, 24, 2990.	1.7	5
39	Utilizing a polymer containing squaramide-based ion pair receptors for salt extraction. Journal of Molecular Liquids, 2022, 361, 119600.	2.3	5
40	Diastereoselective 1,3-dipolar cycloadditions of both electronically modified phenyl-nitrile oxides and stilbenes. RSC Advances, 2013, 3, 23105.	1.7	3
41	Sodium thiocyanate binding by a 3-aminobenzoic acid based ion pair receptor consisting of a thiourea binding domain. Inorganic Chemistry Communication, 2017, 84, 251-254.	1.8	3
42	Utilizing an Amino Acid Scaffold to Construct Heteroditopic Receptors Capable of Interacting with Salts under Interfacial Conditions. International Journal of Molecular Sciences, 2021, 22, 10754.	1.8	1