

# Jan RomaÅ,,ski

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

828  
citations

430754

18  
h-index

526166

27  
g-index

42  
all docs

42  
docs citations

42  
times ranked

737  
citing authors

#	ARTICLE	IF	CITATIONS
1	Utilizing a polymer containing squaramide-based ion pair receptors for salt extraction. <i>Journal of Molecular Liquids</i> , 2022, 361, 119600.	2.3	5
2	Macrocyclic squaramides as ion pair receptors and fluorescent sensors selective towards sulfates. <i>Dalton Transactions</i> , 2021, 50, 3904-3915.	1.6	15
3	Tripodal, Squaramide-Based Ion Pair Receptor for Effective Extraction of Sulfate Salt. <i>Molecules</i> , 2021, 26, 2751.	1.7	8
4	Utilizing an Amino Acid Scaffold to Construct Heteroditopic Receptors Capable of Interacting with Salts under Interfacial Conditions. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10754.	1.8	1
5	Fluorescence Recognition of Anions Using a Heteroditopic Receptor: Homogenous and Two-Phase Sensing. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13396.	1.8	8
6	Squaramide based ion pair receptors possessing ferrocene as a signaling unit. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 972-983.	3.0	22
7	Ferrocene functionalized multi-walled carbon nanotubes as supercapacitor electrodes. <i>Journal of Molecular Liquids</i> , 2020, 318, 114064.	2.3	47
8	Cooperative Transport and Selective Extraction of Sulfates by a Squaramide-Based Ion Pair Receptor: A Case of Adaptable Selectivity. <i>Inorganic Chemistry</i> , 2020, 59, 13749-13759.	1.9	21
9	Highly Efficient, Tripodal Ion-Pair Receptors for Switching Selectivity between Acetates and Sulfates Using Solid-Liquid and Liquid-Liquid Extractions. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9465.	1.8	8
10	Degradable nanohydrogel with high doxorubicin loadings exhibiting controlled drug release and decreased toxicity against healthy cells. <i>International Journal of Pharmaceutics</i> , 2020, 579, 119188.	2.6	12
11	Degradable, thermo-, pH- and redox-sensitive hydrogel microcapsules for burst and sustained release of drugs. <i>International Journal of Pharmaceutics</i> , 2019, 569, 118589.	2.6	37
12	Ion-pair induced supramolecular assembly formation for selective extraction and sensing of potassium sulfate. <i>Chemical Science</i> , 2019, 10, 9542-9547.	3.7	45
13	The Effect of Substitution Pattern on Binding Ability in Regioisomeric Ion Pair Receptors Based on an Aminobenzoic Platform. <i>Molecules</i> , 2019, 24, 2990.	1.7	5
14	A Novel Strategy for the Synthesis of Amphiphilic and Thermoresponsive Poly(N-isopropylacrylamide)-b-Polystyrene Block Copolymers via ATRP. <i>Polymers</i> , 2019, 11, 1484.	2.0	17
15	Recognition and Extraction of Sodium Chloride by a Squaramide-Based Ion Pair Receptor. <i>Inorganic Chemistry</i> , 2018, 57, 12941-12952.	1.9	29
16	Electroactive, Mediating and Thermosensitive Microgel Useful for Covalent Entrapment of Enzymes and Formation of Sensing Layer in Biosensors. <i>Electroanalysis</i> , 2018, 30, 2853-2860.	1.5	20
17	Nanohydrogel with N,N'-bis(acryloyl)cystine crosslinker for high drug loading. <i>International Journal of Pharmaceutics</i> , 2017, 523, 336-342.	2.6	31
18	Sodium thiocyanate binding by a 3-aminobenzoic acid based ion pair receptor consisting of a thiourea binding domain. <i>Inorganic Chemistry Communication</i> , 2017, 84, 251-254.	1.8	3

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19	Environmentally sensitive hydrogel functionalized with electroactive and complexing iron(III) catechol groups. <i>Journal of Polymer Science Part A</i> , 2017, 55, 3236-3242.	2.5	18
20	An ion pair receptor facilitating the extraction of chloride salt from the aqueous to the organic phase. <i>New Journal of Chemistry</i> , 2016, 40, 7190-7196.	1.4	20
21	An environmentally sensitive three-component hybrid microgel. <i>RSC Advances</i> , 2016, 6, 83493-83500.	1.7	16
22	Enantioselective recognition of sodium carboxylates by an 1,8-diaminoanthracene based ion pair receptor containing amino acid units. <i>Tetrahedron Letters</i> , 2016, 57, 3866-3869.	0.7	10
23	Dual Sensing by Simple Heteroditopic Salt Receptors Containing an Anthraquinone Unit. <i>Inorganic Chemistry</i> , 2016, 55, 3616-3623.	1.9	32
24	Cooperative ion pair recognition by multitopic L-ornithine based salt receptors. <i>New Journal of Chemistry</i> , 2015, 39, 2090-2095.	1.4	19
25	Ion pair binding by an L-tyrosine-based polymerizable molecular receptor. <i>New Journal of Chemistry</i> , 2015, 39, 6216-6222.	1.4	15
26	Stable and degradable microgels linked with cystine for storing and environmentally triggered release of drugs. <i>Journal of Materials Chemistry B</i> , 2015, 3, 7262-7270.	2.9	34
27	New ampholytic microgels based on N-isopropylacrylamide and L±-amino acid: changes in swelling behavior as a function of temperature, pH and divalent cation concentration. <i>RSC Advances</i> , 2014, 4, 48905-48911.	1.7	18
28	Boosting the salt recognition abilities of L-ornithine based multitopic molecular receptors by harnessing a double cooperative effect. <i>Dalton Transactions</i> , 2014, 43, 8515-8522.	1.6	20
29	Diastereoselective 1,3-dipolar cycloadditions of both electronically modified phenyl-nitrile oxides and stilbenes. <i>RSC Advances</i> , 2013, 3, 23105.	1.7	3
30	Selective NaNO <sub>2</sub> recognition by a simple heteroditopic salt receptor based on L-ornithine molecular scaffold. <i>Dalton Transactions</i> , 2013, 42, 15271.	1.6	17
31	Selective Ammonium Nitrate Recognition by a Heteroditopic Macrotricyclic Ion-Pair Receptor. <i>Journal of Organic Chemistry</i> , 2013, 78, 4341-4347.	1.7	48
32	Oxidation of ferrocenemethanol grafted to a hydrogel network through cysteine for triggering volume phase transition. <i>RSC Advances</i> , 2013, 3, 23816.	1.7	31
33	High-pressure transesterification of sterically hindered esters. <i>Tetrahedron Letters</i> , 2012, 53, 5287-5289.	0.7	15
34	Tuning the binding properties of a new heteroditopic salt receptor through embedding in a polymeric system. <i>Chemical Communications</i> , 2012, 48, 11346.	2.2	37
35	Polymeric hydrogels modified with ornithine and lysine: Sorption and release of metal cations and amino acids. <i>Journal of Polymer Science Part A</i> , 2012, 50, 542-550.	2.5	27
36	Total synthesis of (5S)-dihydroyashabushiketol. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 787-790.	1.8	7

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37	New poly( <i>N</i> -acryloyl ornithine) gels cross-linked with <i>N,N</i> -methylenebisacrylamide. Sorption properties. <i>Polymer</i> , 2010, 51, 2959-2964.	1.8	18
38	Influence of polymer network-metal ion complexation on the swelling behaviour of new gels with incorporated $\alpha$ -amino acid groups. <i>Soft Matter</i> , 2010, 6, 1336.	1.2	23
39	1,3-Dipolar Cycloadditions of a 2-Oxoethanenitrile Oxide Derived from (2 <i>R</i> )-Bornane-1,2-sultam to Electronically Modified 4,4-Disubstituted Stilbenes. <i>Helvetica Chimica Acta</i> , 2009, 92, 1056-1069.	1.0	10
40	Diastereoselective 1,3-Dipolar Cycloadditions of Chiral Derivatives of 2-Oxoethanenitrile Oxide to Noncyclic Conjugated Symmetrical Alkenes. <i>Helvetica Chimica Acta</i> , 2007, 90, 2116-2131.	1.0	14
41	Asymmetric 1,3-dipolar cycloadditions of chiral carboxyloyl nitrile oxides to cycloalkenes. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 865-872.	1.8	16
42	The synthesis of oximes and nitroalkanes bearing a chiral auxiliary unit: convenient substrates for the preparation of enantiomerically pure nitrile oxides. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 2257-2262.	1.8	26