Robert Kaplanek

List of Publications by Year
in descending order

51	911	430874	501196
papers	citations	18 h-index	28 g-index

54	54	54	1373
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Non-Psychotropic Cannabinoids as Inhibitors of TET1 Protein. Bioorganic Chemistry, 2022, 124, 105793.	4.1	7
2	Spectroscopic study of in situâ€formed metallocomplexes of proton pump inhibitors in water. Chemical Biology and Drug Design, 2021, 97, 305-314.	3.2	4
3	Iron Complexes of Flavonoids-Antioxidant Capacity and Beyond. International Journal of Molecular Sciences, 2021, 22, 646.	4.1	58
4	PPO-Inhibiting Herbicides and Structurally Relevant Schiff Bases: Evaluation of Inhibitory Activities against Human Protoporphyrinogen Oxidase. Processes, 2021, 9, 383.	2.8	5
5	Estrogen Receptor Modulators in Viral Infections Such as SARSâ^'CoVâ^'2: Therapeutic Consequences. International Journal of Molecular Sciences, 2021, 22, 6551.	4.1	14
6	Circulating Tumour Cells (CTCs) in NSCLC: From Prognosis to Therapy Design. Pharmaceutics, 2021, 13, 1879.	4.5	11
7	Role of mtDNA disturbances in the pathogenesis of Alzheimerâ€™s and Parkinsonâ€™s disease. DNA Repair, 2020, 91-92, 102871.	2.8	25
8	Strategy for improved therapeutic efficiency of curcumin in the treatment of gastric cancer. Biomedicine and Pharmacotherapy, 2019, 118, 109278.	5.6	39
9	Versatile fluorophores for bioimaging applications: Ï€-expanded naphthalimide derivatives with skeletal and appendage diversity. Chemical Communications, 2019, 55, 2696-2699.	4.1	11
10	Hydrazones as novel epigenetic modulators: Correlation between TET 1 protein inhibition activity and their iron(II) binding ability. Bioorganic Chemistry, 2019, 88, 102809.	4.1	13
11	Benzoisothiazole-1,1-dioxide-based synthetic receptor for zinc ion recognition in aqueous medium and its interaction with nucleic acids. Supramolecular Chemistry, 2019, 31, 19-27.	1.2	8
12	Pentamethinium salts as ligands for cancer: Sulfated polysaccharide co-receptors as possible therapeutic target. Bioorganic Chemistry, 2019, 82, 74-85.	4.1	7
13	Pigments from Filamentous Ascomycetes for Combination Therapy. Current Medicinal Chemistry, 2019, 26, 3812-3834.	2.4	0
14	Metallomics for Alzheimer's disease treatment: Use of new generation of chelators combining metal-cation binding and transport properties. European Journal of Medicinal Chemistry, 2018, 150, 140-155.	5.5	20
15	Epigenetic agents in combined anticancer therapy. Future Medicinal Chemistry, 2018, 10, 1113-1130.	2.3	16
16	Perimidine-based synthetic receptors for determination of copper(II) in water solution. Supramolecular Chemistry, 2018, 30, 218-226.	1.2	11
17	Water soluble chromone Schiff base derivatives as fluorescence receptor for aluminium(III). Supramolecular Chemistry, 2017, 29, 1-7.	1.2	27
18	Optical probes and sensors as perspective tools in epigenetics. Bioorganic and Medicinal Chemistry, 2017, 25, 2295-2306.	3.0	3

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19	Methinium colorimetric sensors for the determination of cholesterol sulfate in an aqueous medium. Sensors and Actuators B: Chemical, 2017, 245, 1032-1038.	7.8	4
20	Dimethinium Heteroaromatic Salts as Building Blocks for Dualâ€Fluorescence Intracellular Probes. ChemPhotoChem, 2017, 1, 442-450.	3.0	2
21	Bowl-shaped TrÃ¶ger's bases and their recognition properties. Chemical Communications, 2016, 52, 10664-10667.	4.1	13
22	Aluminium(III) sensing by pyridoxal hydrazone utilising the chelation enhanced fluorescence effect. Journal of Luminescence, 2016, 180, 269-277.	3.1	39
23	Specific ligands based on TrÃ¶gerâ€™s base derivatives for the recognition of glycosaminoglycans. Dyes and Pigments, 2016, 134, 212-218.	3.7	10
24	Synthesis and biological activity evaluation of hydrazone derivatives based on a TrÃ¶gerâ€™s base skeleton. Bioorganic and Medicinal Chemistry, 2015, 23, 1651-1659.	3.0	49
25	Caffeineâ€“hydrazones as anticancer agents with pronounced selectivity toward T-lymphoblastic leukaemia cells. Bioorganic Chemistry, 2015, 60, 19-29.	4.1	42
26	Design, Synthesis, Selective Recognition Properties and Targeted Drug Delivery Application. Handbook of Porphyrin Science, 2014, , 1-75.	0.8	3
27	Characterization of novel metallacarborane-based sorbents by linear solvation energy relationships. Journal of Chromatography A, 2014, 1371, 220-226.	3.7	6
28	On the Solubility and Lipophilicity of Metallacarborane Pharmacophores. Molecular Pharmaceutics, 2013, 10, 1751-1759.	4.6	45
29	Fast and effective reduction of nitroarenes by sodium dithionite under PTC conditions: application in solid-phase synthesis. Tetrahedron Letters, 2013, 54, 2600-2603.	1.4	41
30	A novel sorbent for chromatographic separations: A silica matrix modified with nonâ€covalently bonded tetrakis(Î²â€cyclodextrin)â€“porphyrin conjugates. Journal of Separation Science, 2013, 36, 2072-2080.	2.5	4
31	Nitric Oxide Synthases Activation and Inhibition by Metallacarborane-Cluster-Based Isoform-Specific Affectors. Journal of Medicinal Chemistry, 2012, 55, 9541-9548.	6.4	19
32	Supramolecular approach for target transport of photodynamic anticancer agents. Supramolecular Chemistry, 2012, 24, 106-116.	1.2	10
33	Low-Melting Salts Based on a Glycolated Cobalt Bis(dicarbollide) Anion. Inorganic Chemistry, 2012, 51, 4099-4107.	4.0	5
34	Influence of the Chemical Structure on the Stability and Conductance of Porphyrin Singleâ€Molecule Junctions. Angewandte Chemie - International Edition, 2011, 50, 11223-11226.	13.8	56
35	Cobalt bis(dicarbollide) derivatives: Solubilization and self-assembly suppression. European Journal of Medicinal Chemistry, 2011, 46, 1140-1146.	5.5	20
36	Solubilization and deaggregation of cobalt bis(dicarbollide) derivatives in water by biocompatible excipients. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 1045-1048.	2.2	27

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37	Perfluoroalkylated derivatives of 6-deoxy-6-ethylamino-d-galactose, 1-deoxy-1-methylamino-d-glucitol, and 1-amino-1-deoxy-d-glucitol: syntheses, hemocompatibility, and effect on perfluorocarbon emulsion. Carbohydrate Research, 2010, 345, 1008-1014.	2.3	4
38	Novel perfluoroalkylated oligo(oxyethylene) methyl ethers with high hemocompatibility and excellent co-emulsifying properties for potential biomedical uses. Journal of Fluorine Chemistry, 2009, 130, 308-316.	1.7	19
39	Methyl Gallate as the Framework for the Construction of Fluorous Building Blocks. Synthetic Communications, 2009, 40, 247-256.	2.1	2
40	Electrophilic polyfluoroalkylating agents based on sulfonate esters. Journal of Fluorine Chemistry, 2008, 129, 235-247.	1.7	13
41	Glycol Porphyrin Derivatives as Potent Photodynamic Inducers of Apoptosis in Tumor Cells. Journal of Medicinal Chemistry, 2008, 51, 5964-5973.	6.4	64
42	One-Pot Reaction as an Efficient Method for Rigid Molecular Tweezers. Organic Letters, 2008, 10, 4767-4769.	4.6	39
43	Synthesis of Highly Functionalized Fluorinated Porphyrins. Supramolecular Chemistry, 2008, 20, 237-242.	1.2	17
44	Three-fold polyfluoroalkylated amines and isocyanates based on tris(hydroxymethyl)aminomethane (TRIS). Journal of Fluorine Chemistry, 2007, 128, 179-183.	1.7	17
45	Amphiphilic perfluoroalkylated sulfones and sulfonate betaines. Journal of Fluorine Chemistry, 2007, 128, 789-796.	1.7	9
46	New perfluoroalkylated amphiphilic methacrylates bearing sulfinyl group asÂmonomers forÂbiomedical applications: water content andÂoxygen permeability ofÂtheirÂcopolymers with DEGMA. European Journal of Medicinal Chemistry, 2006, 41, 1320-1326.	5.5	3
47	Branched polyfluorinated triflateâ€"An easily available polyfluoroalkylating agent. Journal of Fluorine Chemistry, 2006, 127, 386-390.	1.7	9
48	Perfluoroalkylated diblock-alkyl methacrylate monomers for biomedical applications. Journal of Fluorine Chemistry, 2005, 126, 593-598.	1.7	20
49	Amphiphilic Perfluoroalkylated Derivatives of Aliphatic Triols: Hemocompatibility and Effect on Perfluorocarbon Emulsion.. ChemInform, 2003, 34, no.	0.0	0
50	Novel amphiphilic fluoroalkylated derivatives of xylitol, d-glucose and d-galactose for medical applications: hemocompatibility and co-emulsifying properties. Carbohydrate Research, 2002, 337, 2411-2418.	2.3	15
51	Amphiphilic Perfluoroalkylated Derivatives of Aliphatic Triols: Hemocompatibility and Effect on Perfluorocarbon Emulsion. Collection of Czechoslovak Chemical Communications, 2002, 67, 1436-1448.	1.0	6