

# Robert Kaplanek

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

911  
citations

430874

18  
h-index

501196

28  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1373  
citing authors

#	ARTICLE	IF	CITATIONS
1	Glycol Porphyrin Derivatives as Potent Photodynamic Inducers of Apoptosis in Tumor Cells. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 5964-5973.	6.4	64
2	Iron Complexes of Flavonoids-Antioxidant Capacity and Beyond. <i>International Journal of Molecular Sciences</i> , 2021, 22, 646.	4.1	58
3	Influence of the Chemical Structure on the Stability and Conductance of Porphyrin Single-Molecule Junctions. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11223-11226.	13.8	56
4	Synthesis and biological activity evaluation of hydrazone derivatives based on a Tröger's base skeleton. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 1651-1659.	3.0	49
5	On the Solubility and Lipophilicity of Metallacarborane Pharmacophores. <i>Molecular Pharmaceutics</i> , 2013, 10, 1751-1759.	4.6	45
6	Caffeine-hydrazone derivatives as anticancer agents with pronounced selectivity toward T-lymphoblastic leukaemia cells. <i>Bioorganic Chemistry</i> , 2015, 60, 19-29.	4.1	42
7	Fast and effective reduction of nitroarenes by sodium dithionite under PTC conditions: application in solid-phase synthesis. <i>Tetrahedron Letters</i> , 2013, 54, 2600-2603.	1.4	41
8	One-Pot Reaction as an Efficient Method for Rigid Molecular Tweezers. <i>Organic Letters</i> , 2008, 10, 4767-4769.	4.6	39
9	Aluminium(III) sensing by pyridoxal hydrazone utilising the chelation enhanced fluorescence effect. <i>Journal of Luminescence</i> , 2016, 180, 269-277.	3.1	39
10	Strategy for improved therapeutic efficiency of curcumin in the treatment of gastric cancer. <i>Biomedicine and Pharmacotherapy</i> , 2019, 118, 109278.	5.6	39
11	Solubilization and deaggregation of cobalt bis(dicarbollide) derivatives in water by biocompatible excipients. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 1045-1048.	2.2	27
12	Water soluble chromone Schiff base derivatives as fluorescence receptor for aluminium(III). <i>Supramolecular Chemistry</i> , 2017, 29, 1-7.	1.2	27
13	Role of mtDNA disturbances in the pathogenesis of Alzheimer's and Parkinson's disease. <i>DNA Repair</i> , 2020, 91-92, 102871.	2.8	25
14	Perfluoroalkylated diblock-alkyl methacrylate monomers for biomedical applications. <i>Journal of Fluorine Chemistry</i> , 2005, 126, 593-598.	1.7	20
15	Cobalt bis(dicarbollide) derivatives: Solubilization and self-assembly suppression. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 1140-1146.	5.5	20
16	Metallomics for Alzheimer's disease treatment: Use of new generation of chelators combining metal-cation binding and transport properties. <i>European Journal of Medicinal Chemistry</i> , 2018, 150, 140-155.	5.5	20
17	Novel perfluoroalkylated oligo(oxyethylene) methyl ethers with high hemocompatibility and excellent co-emulsifying properties for potential biomedical uses. <i>Journal of Fluorine Chemistry</i> , 2009, 130, 308-316.	1.7	19
18	Nitric Oxide Synthases Activation and Inhibition by Metallacarborane-Cluster-Based Isoform-Specific Affectors. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 9541-9548.	6.4	19

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19	Three-fold polyfluoroalkylated amines and isocyanates based on tris(hydroxymethyl)aminomethane (TRIS). <i>Journal of Fluorine Chemistry</i> , 2007, 128, 179-183.	1.7	17
20	Synthesis of Highly Functionalized Fluorinated Porphyrins. <i>Supramolecular Chemistry</i> , 2008, 20, 237-242.	1.2	17
21	Epigenetic agents in combined anticancer therapy. <i>Future Medicinal Chemistry</i> , 2018, 10, 1113-1130.	2.3	16
22	Novel amphiphilic fluoroalkylated derivatives of xylitol, d-glucose and d-galactose for medical applications: hemocompatibility and co-emulsifying properties. <i>Carbohydrate Research</i> , 2002, 337, 2411-2418.	2.3	15
23	Estrogen Receptor Modulators in Viral Infections Such as SARS-CoV-2: Therapeutic Consequences. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6551.	4.1	14
24	Electrophilic polyfluoroalkylating agents based on sulfonate esters. <i>Journal of Fluorine Chemistry</i> , 2008, 129, 235-247.	1.7	13
25	Bowl-shaped Tröger's bases and their recognition properties. <i>Chemical Communications</i> , 2016, 52, 10664-10667.	4.1	13
26	Hydrazones as novel epigenetic modulators: Correlation between TET 1 protein inhibition activity and their iron(II) binding ability. <i>Bioorganic Chemistry</i> , 2019, 88, 102809.	4.1	13
27	Perimidine-based synthetic receptors for determination of copper(II) in water solution. <i>Supramolecular Chemistry</i> , 2018, 30, 218-226.	1.2	11
28	Versatile fluorophores for bioimaging applications: $\beta$ -expanded naphthalimide derivatives with skeletal and appendage diversity. <i>Chemical Communications</i> , 2019, 55, 2696-2699.	4.1	11
29	Circulating Tumour Cells (CTCs) in NSCLC: From Prognosis to Therapy Design. <i>Pharmaceutics</i> , 2021, 13, 1879.	4.5	11
30	Supramolecular approach for target transport of photodynamic anticancer agents. <i>Supramolecular Chemistry</i> , 2012, 24, 106-116.	1.2	10
31	Specific ligands based on Tröger's base derivatives for the recognition of glycosaminoglycans. <i>Dyes and Pigments</i> , 2016, 134, 212-218.	3.7	10
32	Branched polyfluorinated triflate—An easily available polyfluoroalkylating agent. <i>Journal of Fluorine Chemistry</i> , 2006, 127, 386-390.	1.7	9
33	Amphiphilic perfluoroalkylated sulfones and sulfonate betaines. <i>Journal of Fluorine Chemistry</i> , 2007, 128, 789-796.	1.7	9
34	Benzoisothiazole-1,1-dioxide-based synthetic receptor for zinc ion recognition in aqueous medium and its interaction with nucleic acids. <i>Supramolecular Chemistry</i> , 2019, 31, 19-27.	1.2	8
35	Pentamethinium salts as ligands for cancer: Sulfated polysaccharide co-receptors as possible therapeutic target. <i>Bioorganic Chemistry</i> , 2019, 82, 74-85.	4.1	7
36	Non-Psychotropic Cannabinoids as Inhibitors of TET1 Protein. <i>Bioorganic Chemistry</i> , 2022, 124, 105793.	4.1	7

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37	Amphiphilic Perfluoroalkylated Derivatives of Aliphatic Triols: Hemocompatibility and Effect on Perfluorocarbon Emulsion. Collection of Czechoslovak Chemical Communications, 2002, 67, 1436-1448.	1.0	6
38	Characterization of novel metallacarborane-based sorbents by linear solvation energy relationships. Journal of Chromatography A, 2014, 1371, 220-226.	3.7	6
39	Low-Melting Salts Based on a Glycolated Cobalt Bis(dicarbollide) Anion. Inorganic Chemistry, 2012, 51, 4099-4107.	4.0	5
40	PPO-Inhibiting Herbicides and Structurally Relevant Schiff Bases: Evaluation of Inhibitory Activities against Human Protoporphyrinogen Oxidase. Processes, 2021, 9, 383.	2.8	5
41	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
42	A novel sorbent for chromatographic separations: A silica matrix modified with non-covalently bonded tetrakis( $\beta$ -cyclodextrin)-porphyrin conjugates. Journal of Separation Science, 2013, 36, 2072-2080.	2.5	4
43	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
44	Spectroscopic study of in situ-formed metallocomplexes of proton pump inhibitors in water. Chemical Biology and Drug Design, 2021, 97, 305-314.	3.2	4
45	New perfluoroalkylated amphiphilic methacrylates bearing sulfinyl group as monomers for biomedical applications: water content and oxygen permeability of their copolymers with DEGMA. European Journal of Medicinal Chemistry, 2006, 41, 1320-1326.	5.5	3
46	Design, Synthesis, Selective Recognition Properties and Targeted Drug Delivery Application. Handbook of Porphyrin Science, 2014, , 1-75.	0.8	3
47	Optical probes and sensors as perspective tools in epigenetics. Bioorganic and Medicinal Chemistry, 2017, 25, 2295-2306.	3.0	3
48	Methyl Gallate as the Framework for the Construction of Fluorous Building Blocks. Synthetic Communications, 2009, 40, 247-256.	2.1	2
49	Dimethinium Heteroaromatic Salts as Building Blocks for Dual-Fluorescence Intracellular Probes. ChemPhotoChem, 2017, 1, 442-450.	3.0	2
50	Amphiphilic Perfluoroalkylated Derivatives of Aliphatic Triols: Hemocompatibility and Effect on Perfluorocarbon Emulsion.. ChemInform, 2003, 34, no.	0.0	0
51	Pigments from Filamentous Ascomycetes for Combination Therapy. Current Medicinal Chemistry, 2019, 26, 3812-3834.	2.4	0