

Miloslav Macháček

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1063185/publications.pdf>

Version: 2024-02-01

32
papers

827
citations

471371

17
h-index

501076

28
g-index

32
all docs

32
docs citations

32
times ranked

1303
citing authors

#	ARTICLE	IF	CITATIONS
1	Peripherally Crowded Cationic Phthalocyanines as Efficient Photosensitizers for Photodynamic Therapy. <i>ACS Medicinal Chemistry Letters</i> , 2021, 12, 502-507.	1.3	21
2	Tuning Photodynamic Properties of BODIPY Dyes, Porphyrins's™ Little Sisters. <i>Molecules</i> , 2021, 26, 4194.	1.7	7
3	The electromembrane extraction of pharmaceutical compounds from animal tissues. <i>Analytica Chimica Acta</i> , 2021, 1177, 338742.	2.6	6
4	Subphthalocyanines as Efficient Photosensitizers with Nanomolar Photodynamic Activity against Cancer Cells. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 17436-17447.	2.9	13
5	Dually directional glycosylated phthalocyanines as extracellular red-emitting fluorescent probes. <i>Dalton Transactions</i> , 2020, 49, 9605-9617.	1.6	3
6	Cationic Versus Anionic Phthalocyanines for Photodynamic Therapy: What a Difference the Charge Makes. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 7616-7632.	2.9	27
7	4-Methylcatechol, a Flavonoid Metabolite with Potent Antiplatelet Effects. <i>Molecular Nutrition and Food Research</i> , 2019, 63, 1900261.	1.5	23
8	Esters of terpene alcohols as highly potent, reversible, and low toxic skin penetration enhancers. <i>Scientific Reports</i> , 2019, 9, 14617.	1.6	45
9	Red-Emitting Fluorescence Sensors for Metal Cations: The Role of Counteranions and Sensing of SCN ⁻ in Biological Materials. <i>ACS Sensors</i> , 2019, 4, 1552-1559.	4.0	22
10	Novel SPME fibers based on a plastic support for determination of plasma protein binding of thiosemicarbazone metal chelators: a case example of DpC, an anti-cancer drug that entered clinical trials. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 2383-2394.	1.9	5
11	Regulation and role of endoglin in cholesterol-induced endothelial and vascular dysfunction <i>in vivo</i> and <i>in vitro</i> . <i>FASEB Journal</i> , 2019, 33, 6099-6114.	0.2	20
12	Fluorescent Penetration Enhancers Reveal Complex Interactions among the Enhancer, Drug, Solvent, and Skin. <i>Molecular Pharmaceutics</i> , 2019, 16, 886-897.	2.3	12
13	Effect of bovine serum albumin on the photodynamic activity of sulfonated tetrapyrazinoporphyrazine. <i>Dyes and Pigments</i> , 2019, 162, 358-366.	2.0	10
14	Influence of cationic, anionic or non-charged substituents on photodynamic activity of water-soluble zinc (aza)phthalocyanines. , 2019, , .		0
15	Binding of an amphiphilic phthalocyanine to pre-formed liposomes confers light-triggered cargo release. <i>Journal of Materials Chemistry B</i> , 2018, 6, 7298-7305.	2.9	30
16	Dodecyl Amino Glucoside Enhances Transdermal and Topical Drug Delivery via Reversible Interaction with Skin Barrier Lipids. <i>Pharmaceutical Research</i> , 2017, 34, 640-653.	1.7	22
17	Structure-activity relationship studies on 3,5-dinitrophenyl tetrazoles as antitubercular agents. <i>European Journal of Medicinal Chemistry</i> , 2017, 130, 419-432.	2.6	31
18	Phthalocyanines and Tetrapyrazinoporphyrazines with Two Cationic Donuts: High Photodynamic Activity as a Result of Rigid Spatial Arrangement of Peripheral Substituents. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 6060-6076.	2.9	47

#	ARTICLE	IF	CITATIONS
19	Galactosyl Pentadecene Reversibly Enhances Transdermal and Topical Drug Delivery. <i>Pharmaceutical Research</i> , 2017, 34, 2097-2108.	1.7	17
20	Characterization of cytoprotective and toxic properties of iron chelator SIH, prochelator BSIH and their degradation products. <i>Toxicology</i> , 2016, 350-352, 15-24.	2.0	10
21	Tetra(3,4-pyrido)porphyrazines Caught in the Cationic Cage: Toward Nanomolar Active Photosensitizers. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 9443-9456.	2.9	31
22	Cardioprotective effects of iron chelator HAPI and ROS-activated boronate prochelator BHAPI against catecholamine-induced oxidative cellular injury. <i>Toxicology</i> , 2016, 371, 17-28.	2.0	14
23	Anionic hexadeca-carboxylate tetrapyrazinoporphyrazine: synthesis and in vitro photodynamic studies of a water-soluble, non-aggregating photosensitizer. <i>RSC Advances</i> , 2016, 6, 10064-10077.	1.7	17
24	Synthesis and analysis of novel analogues of dexrazoxane and its open-ring hydrolysis product for protection against anthracycline cardiotoxicity in vitro and in vivo. <i>Toxicology Research</i> , 2015, 4, 1098-1114.	0.9	20
25	Far-Red-Absorbing Cationic Phthalocyanine Photosensitizers: Synthesis and Evaluation of the Photodynamic Anticancer Activity and the Mode of Cell Death Induction. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 1736-1749.	2.9	95
26	Heteroatom-substituted tetra(3,4-pyrido)porphyrazines: a stride toward near-infrared-absorbing macrocycles. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 5608-5612.	1.5	15
27	In Vitro Characterization of the Pharmacological Properties of the Anti-Cancer Chelator, Bp4eT, and Its Phase I Metabolites. <i>PLoS ONE</i> , 2015, 10, e0139929.	1.1	7
28	Quantitative Analysis of the Anti-Proliferative Activity of Combinations of Selected Iron-Chelating Agents and Clinically Used Anti-Neoplastic Drugs. <i>PLoS ONE</i> , 2014, 9, e88754.	1.1	23
29	Structure-Activity Relationships of Novel Salicylaldehyde Isonicotinoyl Hydrazone (SIH) Analogs: Iron Chelation, Anti-Oxidant and Cytotoxic Properties. <i>PLoS ONE</i> , 2014, 9, e112059.	1.1	15
30	Comparison of various iron chelators and prochelators as protective agents against cardiomyocyte oxidative injury. <i>Free Radical Biology and Medicine</i> , 2014, 74, 210-221.	1.3	28
31	Water-soluble non-aggregating zinc phthalocyanine and in vitro studies for photodynamic therapy. <i>Chemical Communications</i> , 2013, 49, 11149.	2.2	133
32	Catalytic Inhibitors of Topoisomerase II Differently Modulate the Toxicity of Anthracyclines in Cardiac and Cancer Cells. <i>PLoS ONE</i> , 2013, 8, e76676.	1.1	58