

Cline Frochot

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

74
papers

3,564
citations

29
h-index

59
g-index

79
ext. papers

4,068
ext. citations

5.8
avg, IF

5.06
L-index

#	Paper	IF	Citations
74	Synthesis of New Water Soluble β -Cyclodextrin@Curcumin Conjugates and In Vitro Safety Evaluation in Primary Cultures of Rat Cortical Neurons. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
73	Study of Cytotoxic and Photodynamic Activities of Dyads Composed of a Zinc Phthalocyanine Appended to an Organotin. <i>Pharmaceuticals</i> , 2021 , 14,	5.2	1
72	Terbium-Based AuIX-Design Nanoparticle to Mediate X-ray-Induced Photodynamic Therapy. <i>Pharmaceuticals</i> , 2021 , 14,	5.2	2
71	Can Cerenkov Light Really Induce an Effective Photodynamic Therapy?. <i>Radiation</i> , 2021 , 1, 5-17		4
70	Photophysical and Bactericidal Properties of Pyridinium and Imidazolium Porphyrins for Photodynamic Antimicrobial Chemotherapy. <i>Molecules</i> , 2021 , 26,	4.8	5
69	Photophysical Properties of Protoporphyrin IX, Pyropheophorbide-a and Photofrin in Different Conditions. <i>Pharmaceuticals</i> , 2021 , 14,	5.2	6
68	Nanotechnology, photonics, and immunotherapy for cancer diagnostics and therapeutics. <i>Nanophotonics</i> , 2021 , 10, 2969-2971	6.3	
67	Peptide-conjugated nanoparticles for targeted photodynamic therapy. <i>Nanophotonics</i> , 2021 , 10, 3089-3134		3
66	Design of a Targeting and Oxygen-Independent Platform to Improve Photodynamic Therapy: A Proof of Concept.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 1330-1339	4.1	1
65	Different strategies of surface modification to improve the photocatalysis properties: pollutant adsorption, visible activation, and catalyst recovery 2020 , 39-57		
64	An Efficient Photodynamic Therapy Treatment for Human Pancreatic Adenocarcinoma. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	15
63	Photodynamic Therapy Using a New Folate Receptor-Targeted Photosensitizer on Peritoneal Ovarian Cancer Cells Induces the Release of Extracellular Vesicles with Immunoactivating Properties. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	10
62	Inclusion complex vs. conjugation of hydrophobic photosensitizers with β -cyclodextrin: Improved disaggregation and photodynamic therapy efficacy against glioblastoma cells. <i>Materials Science and Engineering C</i> , 2020 , 109, 110604	8.3	4
61	Multiscale Selectivity and in vivo Biodistribution of NRP-1 Targeted Theranostic AuIX Nanoparticles for PDT of Glioblastoma. <i>International Journal of Nanomedicine</i> , 2020 , 15, 8739-8758	7.3	7
60	Polythiophenes with Cationic Phosphonium Groups as Vectors for Imaging, siRNA Delivery, and Photodynamic Therapy. <i>Nanomaterials</i> , 2020 , 10,	5.4	4
59	Synthesis and Anticancer Activity of Gold Porphyrin Linked to Malonate Diamine Platinum Complexes. <i>Inorganic Chemistry</i> , 2019 , 58, 12395-12406	5.1	16
58	Update of the situation of clinical photodynamic therapy in Europe in the 2003-2018 period. <i>Journal of Porphyrins and Phthalocyanines</i> , 2019 , 23, 347-357	1.8	44

57	Fighting Hypoxia to Improve PDT. <i>Pharmaceuticals</i> , 2019 , 12,	5.2	54
56	New Targeted Gold Nanorods for the Treatment of Glioblastoma by Photodynamic Therapy. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	10
55	Synthesis of unexplored aminophosphonic acid and evaluation as scale inhibitor for industrial water applications. <i>Journal of Water Process Engineering</i> , 2018 , 22, 192-202	6.7	18
54	New photodynamic molecular beacons (PMB) as potential cancer-targeted agents in PDT. <i>Bioorganic and Medicinal Chemistry</i> , 2018 , 26, 688-702	3.4	9
53	Comparison of two procedures for the design of dye-sensitized nanoparticles targeting photocatalytic water purification under solar and visible light. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 356, 177-192	4.7	17
52	Development of new ionic gelation strategy: Towards the preparation of new monodisperse and stable hyaluronic acid/β-cyclodextrin-grafted chitosan nanoparticles as drug delivery carriers for doxorubicin. <i>Frontiers of Materials Science</i> , 2018 , 12, 83-94	2.5	3
51	Titania and silica nanoparticles coupled to Chlorin e6 for anti-cancer photodynamic therapy. <i>Photodiagnosis and Photodynamic Therapy</i> , 2018 , 22, 115-126	3.5	24
50	Use of Cyclodextrins in Anticancer Photodynamic Therapy Treatment. <i>Molecules</i> , 2018 , 23,	4.8	27
49	Using X-rays in photodynamic therapy: an overview. <i>Photochemical and Photobiological Sciences</i> , 2018 , 17, 1612-1650	4.2	61
48	Molecular modelling, synthesis and biological evaluation of peptide inhibitors as anti-angiogenic agent targeting neuropilin-1 for anticancer application. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017 , 35, 26-45	3.6	15
47	A Photosensitizer Lanthanide Nanoparticle Formulation that Induces Singlet Oxygen with Direct Light Excitation, But Not By Photon or X-ray Energy Transfer. <i>Photochemistry and Photobiology</i> , 2017 , 93, 1439-1448	3.6	7
46	Polymer-lipid-PEG hybrid nanoparticles as photosensitizer carrier for photodynamic therapy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017 , 173, 12-22	6.7	26
45	Synthesis of mono-, di- and triporphyrin building blocks by click chemistry for photodynamic therapy application. <i>Tetrahedron</i> , 2017 , 73, 532-541	2.4	6
44	The application of titanium dioxide, zinc oxide, fullerene, and graphene nanoparticles in photodynamic therapy. <i>Cancer Nanotechnology</i> , 2017 , 8, 6	7.9	68
43	Proton MR Spectroscopy and Diffusion MR Imaging Monitoring to Predict Tumor Response to Interstitial Photodynamic Therapy for Glioblastoma. <i>Theranostics</i> , 2017 , 7, 436-451	12.1	27
42	Ultrasmall AGuIX theranostic nanoparticles for vascular-targeted interstitial photodynamic therapy of glioblastoma. <i>International Journal of Nanomedicine</i> , 2017 , 12, 7075-7088	7.3	29
41	Enhanced Photobactericidal and Targeting Properties of a Cationic Porphyrin following the Attachment of Polymyxin B. <i>Bioconjugate Chemistry</i> , 2017 , 28, 2493-2506	6.3	49
40	Folic acid conjugates with photosensitizers for cancer targeting in photodynamic therapy: Synthesis and photophysical properties. <i>Bioorganic and Medicinal Chemistry</i> , 2017 , 25, 1-10	3.4	41

39	Extraction, Identification and Photo-Physical Characterization of Persimmon (<i>Diospyros kaki</i> L.) Carotenoids. <i>Foods</i> , 2017 , 6,	4.9	12
38	Assessment of the specificity of a new folate-targeted photosensitizer for peritoneal metastasis of epithelial ovarian cancer to enable intraperitoneal photodynamic therapy. A preclinical study. <i>Photodiagnosis and Photodynamic Therapy</i> , 2016 , 13, 130-138	3.5	28
37	Inorganic Nanoparticles for Photodynamic Therapy. <i>Topics in Current Chemistry</i> , 2016 , 370, 113-34		43
36	Inactivation of Malaria Parasites in Blood: PDT vs Inhibition of Hemozoin Formation 2016 ,		3
35	Stability of folic acid under several parameters. <i>European Journal of Pharmaceutical Sciences</i> , 2016 , 93, 419-30	5.1	80
34	Accelerated solvent extraction of carotenoids from: Tunisian Kaki (<i>Diospyros kaki</i> L.), peach (<i>Prunus persica</i> L.) and apricot (<i>Prunus armeniaca</i> L.). <i>Food Chemistry</i> , 2015 , 184, 131-9	8.5	40
33	The Interest of Folic Acid in Targeted Photodynamic Therapy. <i>Current Medicinal Chemistry</i> , 2015 , 22, 3185-307	4.3	18
32	New Peptide-Conjugated Chlorin-Type Photosensitizer Targeting Neuropilin-1 for Anti-Vascular Targeted Photodynamic Therapy. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 24059-80	6.3	18
31	Nanoparticles for Radiation Therapy Enhancement: the Key Parameters. <i>Theranostics</i> , 2015 , 5, 1030-44	12.1	222
30	Synthesis and photophysical properties of the photoactivatable cationic porphyrin 5-(4-N-dodecylpyridyl)-10,15,20-tri(4-N-methylpyridyl)-21H,23H-porphyrin tetraiodide for anti-malaria PDT. <i>Photochemical and Photobiological Sciences</i> , 2015 , 14, 1290-5	4.2	17
29	Multifunctional ultrasmall nanoplatforms for vascular-targeted interstitial photodynamic therapy of brain tumors guided by real-time MRI. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015 , 11, 657-70	6	41
28	Microwave-assisted synthesis of zinc 5-(4-carboxyphenyl)-10,15,20-triphenylporphyrin and zinc 5-(4-carboxyphenyl)-10,15,20-triphenylchlorin. <i>Journal of Porphyrins and Phthalocyanines</i> , 2015 , 19, 595-600	1.8	6
27	Two-photon excitation of porphyrin-functionalized porous silicon nanoparticles for photodynamic therapy. <i>Advanced Materials</i> , 2014 , 26, 7643-8	24	115
26	X-ray-Induced Singlet Oxygen Activation with Nanoscintillator-Coupled Porphyrins. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 21583-21589	3.8	102
25	Non polymeric nanoparticles for photodynamic therapy applications: recent developments. <i>Current Medicinal Chemistry</i> , 2012 , 19, 781-92	4.3	55
24	Multifunctional Peptide-conjugated hybrid silica nanoparticles for photodynamic therapy and MRI. <i>Theranostics</i> , 2012 , 2, 889-904	12.1	69
23	Long-distance energy transfer photosensitizers arising in hybrid nanoparticles leading to fluorescence emission and singlet oxygen luminescence quenching. <i>Photochemical and Photobiological Sciences</i> , 2012 , 11, 803-11	4.2	4
22	Photodynamic molecular beacons triggered by MMP-2 and MMP-9: influence of the distance between photosensitizer and quencher onto photophysical properties and enzymatic activation. <i>Current Medicinal Chemistry</i> , 2012 , 19, 5580-94	4.3	9

21	Real-time monitoring of photocytotoxicity in nanoparticles-based photodynamic therapy: a model-based approach. <i>PLoS ONE</i> , 2012 , 7, e48617	3.7	19
20	Quantum dot-folic acid conjugates as potential photosensitizers in photodynamic therapy of cancer. <i>Photochemical and Photobiological Sciences</i> , 2011 , 10, 842-51	4.2	50
19	Functionalized silica-based nanoparticles for photodynamic therapy. <i>Nanomedicine</i> , 2011 , 6, 995-1009	5.6	27
18	Triazinyl porphyrin-based photoactive cotton fabrics: preparation, characterization, and antibacterial activity. <i>Biomacromolecules</i> , 2011 , 12, 1716-23	6.9	91
17	Nanoparticles for Photodynamic Therapy Applications. <i>Fundamental Biomedical Technologies</i> , 2011 , 511-565		6
16	Modulation of photosensitization processes for an improved targeted photodynamic therapy. <i>Current Medicinal Chemistry</i> , 2010 , 17, 3925-43	4.3	40
15	Silica-based nanoparticles for photodynamic therapy applications. <i>Nanoscale</i> , 2010 , 2, 1083-95	7.7	221
14	Neuropilin-1 targeting photosensitization-induced early stages of thrombosis via tissue factor release. <i>Pharmaceutical Research</i> , 2010 , 27, 468-79	4.5	24
13	Photodynamic therapy targeting neuropilin-1: Interest of pseudopeptides with improved stability properties. <i>Biochemical Pharmacology</i> , 2010 , 80, 226-35	6	31
12	Peptide-conjugated chlorin-type photosensitizer binds neuropilin-1 in vitro and in vivo. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2009 , 96, 101-8	6.7	28
11	Mannose-targeted mesoporous silica nanoparticles for photodynamic therapy. <i>Chemical Communications</i> , 2009 , 1475-7	5.8	200
10	Nanoparticles as vehicles for delivery of photodynamic therapy agents. <i>Trends in Biotechnology</i> , 2008 , 26, 612-21	15.1	620
9	Tissue distribution and pharmacokinetics of an ATWLPPR-conjugated chlorin-type photosensitizer targeting neuropilin-1 in glioma-bearing nude mice. <i>Photochemical and Photobiological Sciences</i> , 2008 , 7, 433-41	4.2	32
8	Improvement of meta-tetra(hydroxyphenyl)chlorin-like photosensitizer selectivity with folate-based targeted delivery. synthesis and in vivo delivery studies. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 3867-77	8.3	102
7	Interest of RGD-containing linear or cyclic peptide targeted tetraphenylchlorin as novel photosensitizers for selective photodynamic activity. <i>Bioorganic Chemistry</i> , 2007 , 35, 205-20	5.1	64
6	Metabolic profile of a peptide-conjugated chlorin-type photosensitizer targeting neuropilin-1: an in vivo and in vitro study. <i>Drug Metabolism and Disposition</i> , 2007 , 35, 806-13	4	29
5	Phthalocyanines covalently bound to biomolecules for a targeted photodynamic therapy. <i>Current Medicinal Chemistry</i> , 2007 , 14, 1673-87	4.3	143
4	A peptide competing with VEGF165 binding on neuropilin-1 mediates targeting of a chlorin-type photosensitizer and potentiates its photodynamic activity in human endothelial cells. <i>Journal of Controlled Release</i> , 2006 , 111, 153-64	11.7	114

3	Recent improvements in the use of synthetic peptides for a selective photodynamic therapy. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2006 , 6, 469-88	2.2	48
2	Design, synthesis, and biological evaluation of folic acid targeted tetraphenylporphyrin as novel photosensitizers for selective photodynamic therapy. <i>Bioorganic and Medicinal Chemistry</i> , 2005 , 13, 2799-808	3.4	173
1	Reduced graphene oxide-based superhydrophobic magnetic nanomaterial as high selective and recyclable sorbent for oil/organic solvent wastewater treatment. <i>International Journal of Environmental Science and Technology</i> , 1	3.3	0