Cline Frochot

List of Publications by Citations

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	Nanoparticles as vehicles for delivery of photodynamic therapy agents. *Trends in Biotechnology*, **2008**, 26, 612-21	15.1	620
73	Nanoparticles for Radiation Therapy Enhancement: the Key Parameters. *Theranostics*, **2015**, 5, 1030-44	12.1	222
72	Silica-based nanoparticles for photodynamic therapy applications. *Nanoscale*, **2010**, 2, 1083-95	7.7	221
71	Mannose-targeted mesoporous silica nanoparticles for photodynamic therapy. *Chemical Communications*, **2009**, 1475-7	5.8	200
70	Design, synthesis, and biological evaluation of folic acid targeted tetraphenylporphyrin as novel photosensitizers for selective photodynamic therapy. *Bioorganic and Medicinal Chemistry*, **2005**, 13, 2799-808	3.4	173
69	Phthalocyanines covalently bound to biomolecules for a targeted photodynamic therapy. *Current Medicinal Chemistry*, **2007**, 14, 1673-87	4.3	143
68	Two-photon excitation of porphyrin-functionalized porous silicon nanoparticles for photodynamic therapy. *Advanced Materials*, **2014**, 26, 7643-8	24	115
67	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. *Journal of Controlled Release*, **2006**, 111, 153-64	11.7	114
66	X-ray-Induced Singlet Oxygen Activation with Nanoscintillator-Coupled Porphyrins. *Journal of Physical Chemistry C*, **2013**, 117, 21583-21589	3.8	102
65	Improvement of meta-tetra(hydroxyphenyl)chlorin-like photosensitizer selectivity with folate-based targeted delivery. synthesis and in vivo delivery studies. *Journal of Medicinal Chemistry* , **2008**, 51, 3867-77	8.3	102
64	Triazinyl porphyrin-based photoactive cotton fabrics: preparation, characterization, and antibacterial activity. *Biomacromolecules*, **2011**, 12, 1716-23	6.9	91
63	Stability of folic acid under several parameters. *European Journal of Pharmaceutical Sciences*, **2016**, 93, 419-30	5.1	80
62	Multifunctional Peptide-conjugated hybrid silica nanoparticles for photodynamic therapy and MRI. *Theranostics*, **2012**, 2, 889-904	12.1	69
61	The application of titanium dioxide, zinc oxide, fullerene, and graphene nanoparticles in photodynamic therapy. *Cancer Nanotechnology*, **2017**, 8, 6	7.9	68
60	Interest of RGD-containing linear or cyclic peptide targeted tetraphenylchlorin as novel photosensitizers for selective photodynamic activity. *Bioorganic Chemistry*, **2007**, 35, 205-20	5.1	64
59	Using X-rays in photodynamic therapy: an overview. *Photochemical and Photobiological Sciences*, **2018**, 17, 1612-1650	4.2	61
58	Non polymeric nanoparticles for photodynamic therapy applications: recent developments. *Current Medicinal Chemistry*, **2012**, 19, 781-92	4.3	55

57	Fighting Hypoxia to Improve PDT. *Pharmaceuticals*, **2019**, 12,	5.2	54
56	Quantum dot-folic acid conjugates as potential photosensitizers in photodynamic therapy of cancer. *Photochemical and Photobiological Sciences*, **2011**, 10, 842-51	4.2	50
55	Enhanced Photobactericidal and Targeting Properties of a Cationic Porphyrin following the Attachment of Polymyxin B. *Bioconjugate Chemistry*, **2017**, 28, 2493-2506	6.3	49
54	Recent improvements in the use of synthetic peptides for a selective photodynamic therapy. *Anti-Cancer Agents in Medicinal Chemistry*, **2006**, 6, 469-88	2.2	48
53	Update of the situation of clinical photodynamic therapy in Europe in the 2003–2018 period. *Journal of Porphyrins and Phthalocyanines*, **2019**, 23, 347-357	1.8	44
52	Inorganic Nanoparticles for Photodynamic Therapy. *Topics in Current Chemistry*, **2016**, 370, 113-34		43
51	Folic acid conjugates with photosensitizers for cancer targeting in photodynamic therapy: Synthesis and photophysical properties. *Bioorganic and Medicinal Chemistry*, **2017**, 25, 1-10	3.4	41
50	Multifunctional ultrasmall nanoplatforms for vascular-targeted interstitial photodynamic therapy of brain tumors guided by real-time MRI. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2015**, 11, 657-70	6	41
49	Accelerated solvent extraction of carotenoids from: Tunisian Kaki (Diospyros kaki L.), peach (Prunus persica L.) and apricot (Prunus armeniaca L.). *Food Chemistry*, **2015**, 184, 131-9	8.5	40
48	Modulation of photosensitization processes for an improved targeted photodynamic therapy. *Current Medicinal Chemistry*, **2010**, 17, 3925-43	4.3	40
47	Tissue distribution and pharmacokinetics of an ATWLPPR-conjugated chlorin-type photosensitizer targeting neuropilin-1 in glioma-bearing nude mice. *Photochemical and Photobiological Sciences*, **2008**, 7, 433-41	4.2	32
46	Photodynamic therapy targeting neuropilin-1: Interest of pseudopeptides with improved stability properties. *Biochemical Pharmacology*, **2010**, 80, 226-35	6	31
45	Ultrasmall AGuIX theranostic nanoparticles for vascular-targeted interstitial photodynamic therapy of glioblastoma. *International Journal of Nanomedicine*, **2017**, 12, 7075-7088	7.3	29
44	Metabolic profile of a peptide-conjugated chlorin-type photosensitizer targeting neuropilin-1: an in vivo and in vitro study. *Drug Metabolism and Disposition*, **2007**, 35, 806-13	4	29
43	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. *Photodiagnosis and Photodynamic Therapy*, **2016**, 13, 130-138	3.5	28
42	Peptide-conjugated chlorin-type photosensitizer binds neuropilin-1 in vitro and in vivo. *Journal of Photochemistry and Photobiology B: Biology*, **2009**, 96, 101-8	6.7	28
41	Proton MR Spectroscopy and Diffusion MR Imaging Monitoring to Predict Tumor Response to Interstitial Photodynamic Therapy for Glioblastoma. *Theranostics*, **2017**, 7, 436-451	12.1	27
40	Use of Cyclodextrins in Anticancer Photodynamic Therapy Treatment. *Molecules*, **2018**, 23,	4.8	27

39	Functionalized silica-based nanoparticles for photodynamic therapy. *Nanomedicine*, **2011**, 6, 995-1009	5.6	27
38	Polymer-lipid-PEG hybrid nanoparticles as photosensitizer carrier for photodynamic therapy. *Journal of Photochemistry and Photobiology B: Biology*, **2017**, 173, 12-22	6.7	26
37	Titania and silica nanoparticles coupled to Chlorin e6 for anti-cancer photodynamic therapy. *Photodiagnosis and Photodynamic Therapy*, **2018**, 22, 115-126	3.5	24
36	Neuropilin-1 targeting photosensitization-induced early stages of thrombosis via tissue factor release. *Pharmaceutical Research*, **2010**, 27, 468-79	4.5	24
35	Real-time monitoring of photocytotoxicity in nanoparticles-based photodynamic therapy: a model-based approach. *PLoS ONE*, **2012**, 7, e48617	3.7	19
34	Synthesis of unexplored aminophosphonic acid and evaluation as scale inhibitor for industrial water applications. *Journal of Water Process Engineering*, **2018**, 22, 192-202	6.7	18
33	The Interest of Folic Acid in Targeted Photodynamic Therapy. *Current Medicinal Chemistry*, **2015**, 22, 3185-207	4.3	18
32	New Peptide-Conjugated Chlorin-Type Photosensitizer Targeting Neuropilin-1 for Anti-Vascular Targeted Photodynamic Therapy. *International Journal of Molecular Sciences*, **2015**, 16, 24059-80	6.3	18
31	Comparison of two procedures for the design of dye-sensitized nanoparticles targeting photocatalytic water purification under solar and visible light. *Journal of Photochemistry and Photobiology A: Chemistry*, **2018**, 356, 177-192	4.7	17
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. *Photochemical and Photobiological Sciences*, **2015**, 14, 1290-5	4.2	17
29	Synthesis and Anticancer Activity of Gold Porphyrin Linked to Malonate Diamine Platinum Complexes. *Inorganic Chemistry*, **2019**, 58, 12395-12406	5.1	16
28	Molecular modelling, synthesis and biological evaluation of peptide inhibitors as anti-angiogenic agent targeting neuropilin-1 for anticancer application. *Journal of Biomolecular Structure and Dynamics*, **2017**, 35, 26-45	3.6	15
27	An Efficient Photodynamic Therapy Treatment for Human Pancreatic Adenocarcinoma. *Journal of Clinical Medicine*, **2020**, 9,	5.1	15
26	Extraction, Identification and Photo-Physical Characterization of Persimmon (Diospyros kaki L.) Carotenoids. *Foods*, **2017**, 6,	4.9	12
25	Photodynamic Therapy Using a New Folate Receptor-Targeted Photosensitizer on Peritoneal Ovarian Cancer Cells Induces the Release of Extracellular Vesicles with Immunoactivating Properties. *Journal of Clinical Medicine*, **2020**, 9,	5.1	10
24	New Targeted Gold Nanorods for the Treatment of Glioblastoma by Photodynamic Therapy. *Journal of Clinical Medicine*, **2019**, 8,	5.1	10
23	New photodynamic molecular beacons (PMB) as potential cancer-targeted agents in PDT. *Bioorganic and Medicinal Chemistry*, **2018**, 26, 688-702	3.4	9
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. *Current Medicinal Chemistry*, **2012**, 19, 5580-94	4.3	9

21	A Photosensitizer Lanthanide Nanoparticle Formulation that Induces Singlet Oxygen with Direct Light Excitation, But Not By Photon or X-ray Energy Transfer. *Photochemistry and Photobiology*, **2017**, 93, 1439-1448	3.6	7
20	Multiscale Selectivity and in vivo Biodistribution of NRP-1Targeted Theranostic AGuIX Nanoparticles for PDT of Glioblastoma. *International Journal of Nanomedicine*, **2020**, 15, 8739-8758	7.3	7
19	Synthesis of mono-, di- and triporphyrin building blocks by click chemistry for photodynamic therapy application. *Tetrahedron*, **2017**, 73, 532-541	2.4	6
18	Microwave-assisted synthesis of zinc 5-(4-carboxyphenyl)-10,15,20-triphenylporphyrin and zinc 5-(4-carboxyphenyl)-10,15,20-triphenylchlorin. *Journal of Porphyrins and Phthalocyanines*, **2015**, 19, 595-600	1.8	6
17	Nanoparticles for Photodynamic Therapy Applications. *Fundamental Biomedical Technologies*, **2011**, 511-565		6
16	Photophysical Properties of Protoporphyrin IX, Pyropheophorbide-a and Photofrin in Different Conditions. *Pharmaceuticals*, **2021**, 14,	5.2	6
15	Photophysical and Bactericidal Properties of Pyridinium and Imidazolium Porphyrins for Photodynamic Antimicrobial Chemotherapy. *Molecules*, **2021**, 26,	4.8	5
14	Long-distance energy transfer photosensitizers arising in hybrid nanoparticles leading to fluorescence emission and singlet oxygen luminescence quenching. *Photochemical and Photobiological Sciences*, **2012**, 11, 803-11	4.2	4
13	Inclusion complex vs. conjugation of hydrophobic photosensitizers with Ecyclodextrin: Improved disaggregation and photodynamic therapy efficacy against glioblastoma cells. *Materials Science and Engineering C*, **2020**, 109, 110604	8.3	4
12	Polythiophenes with Cationic Phosphonium Groups as Vectors for Imaging, siRNA Delivery, and Photodynamic Therapy. *Nanomaterials*, **2020**, 10,	5.4	4
11	Can Cerenkov Light Really Induce an Effective Photodynamic Therapy?. *Radiation*, **2021**, 1, 5-17		4
10	Development of new ionic gelation strategy: Towards the preparation of new monodisperse and stable hyaluronic acid/Ecyclodextrin-grafted chitosan nanoparticles as drug delivery carriers for doxorubicin. *Frontiers of Materials Science*, **2018**, 12, 83-94	2.5	3
9	Inactivation of Malaria Parasites in Blood: PDT vs Inhibition of Hemozoin Formation **2016**,		3
8	Peptide-conjugated nanoparticles for targeted photodynamic therapy. *Nanophotonics*, **2021**, 10, 3089-3134	6.5	3
7	Synthesis of New Water Soluble ECyclodextrin@Curcumin Conjugates and In Vitro Safety Evaluation in Primary Cultures of Rat Cortical Neurons. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
6	Terbium-Based AGuIX-Design Nanoparticle to Mediate X-ray-Induced Photodynamic Therapy. *Pharmaceuticals*, **2021**, 14,	5.2	2
5	Study of Cytotoxic and Photodynamic Activities of Dyads Composed of a Zinc Phthalocyanine Appended to an Organotin. *Pharmaceuticals*, **2021**, 14,	5.2	1
4	Design of a Targeting and Oxygen-Independent Platform to Improve Photodynamic Therapy: A Proof of Concept.. *ACS Applied Bio Materials*, **2021**, 4, 1330-1339	4.1	1

3	Reduced graphene oxide-based superhydrophobic magnetic nanomaterial as high selective and recyclable sorbent for oil/organic solvent wastewater treatment. *International Journal of Environmental Science and Technology*,1	3.3	0
2	Different strategies of surface modification to improve the photocatalysis properties: pollutant adsorption, visible activation, and catalyst recovery **2020**, 39-57		
1	Nanotechnology, photonics, and immunotherapy for cancer diagnostics and therapeutics. *Nanophotonics*, **2021**, 10, 2969-2971	6.3	