Elena Reddi

List of Publications by Year
in descending order

64 papers	2,946 citations	126907 33 h-index	168389 53 g-index
64 all docs	64 docs citations	64 times ranked	3331 citing authors

#	Article	IF	Citations
1	Photophysical Properties and Antibacterial Activity of Meso-substituted Cationic PorphyrinsÂ¶. Photochemistry and Photobiology, 2002, 75, 462.	2.5	183
2	The role of lipoproteins in the delivery of tumour-targeting photosensitizers. International Journal of Biochemistry & Cell Biology, 1993, 25, 1369-1375.	0.5	170
3	Photophysical, photochemical and antibacterial photosensitizing properties of a novel octacationic Zn(ii)-phthalocyanine. Photochemical and Photobiological Sciences, 2002, 1, 641-648.	2.9	128
4	Role of delivery vehicles for photosensitizers in the photodynamic therapy of tumours. Journal of Photochemistry and Photobiology B: Biology, 1997, 37, 189-195.	3.8	123
5	THE PRODUCTION OF SINGLET MOLECULAR OXYGEN BY ZINC(II) PHTHALOCYANINE IN ETHANOL AND IN UNILAMELLAR VESICLES. CHEMICAL QUENCHING AND PHOSPHORESCENCE STUDIES. Photochemistry and Photobiology, 1988, 48, 1-5.	2.5	111
6	Low-density lipoprotein receptors in the uptake of tumour photosensitizers by human and rat transformed fibroblasts. International Journal of Biochemistry and Cell Biology, 2002, 34, 10-23.	2.8	100
7	Steady-state and time-resolved spectroscopic studies of photodynamic sensitizers: Porphyrins and phthalocyanines. Reviews of Chemical Intermediates, 1988, 10, 241-268.	1.1	97
8	Synthesis, Characterization, and Photoinduced Antibacterial Activity of Porphyrin-Type Photosensitizers Conjugated to the Antimicrobial Peptide Apidaecin 1b. Journal of Medicinal Chemistry, 2013, 56, 1052-1063.	6.4	97
9	Molecular targets of antimicrobial photodynamic therapy identified by a proteomic approach. Journal of Proteomics, 2012, 77, 329-343.	2.4	88
10	Effect of extracellularly generated singlet oxygen on Gram-positive and Gram-negative bacteria. Journal of Photochemistry and Photobiology B: Biology, 1993, 21, 81-86.	3.8	78
11	Polylysineâ€“porphycene conjugates as efficient photosensitizers for the inactivation of microbial pathogens. Journal of Photochemistry and Photobiology B: Biology, 2000, 59, 152-158.	3.8	78
12	Low doses of cisplatin or gemcitabine plus Photofrin/photodynamic therapy: Disjointed cell cycle phase-related activity accounts for synergistic outcome in metastatic nonâ€“small cell lung cancer cells (H1299). Molecular Cancer Therapeutics, 2006, 5, 776-785.	4.1	73
13	Photosensitization of Wild and Mutant Strains ofEscherichia colibymeso-Tetra (N-methyl-4-pyridyl)porphine. Biochemical and Biophysical Research Communications, 1999, 256, 84-88.	2.1	71
14	Hyaluronan-decorated polymer nanoparticles targeting the CD44 receptor for the combined photo/chemo-therapy of cancer. Nanoscale, 2015, 7, 5643-5653.	5.6	70
15	Strategies for optimizing the delivery to tumors of macrocyclic photosensitizers used in photodynamic therapy (PDT). Journal of Porphyrins and Phthalocyanines, 2017, 21, 239-256.	0.8	68
16	In vitro and in vivo characterization of temoporfin-loaded PEGylated PLGA nanoparticles for use in photodynamic therapy. Nanomedicine, 2012, 7, 663-677.	3.3	65
17	Bronze Baby Syndrome: a New Porphyrin-Related Disorder. Pediatric Research, 1983, 17, 327-330.	2.3	62
18	THE EFFECT OF MEDIUM POLARITY ON THE HEMATOPORPHYRINâ€SENSITIZED PHOTOOXIDATION OF <scp>l</scp>â€TRYPTOPHAN. Photochemistry and Photobiology, 1984, 40, 415-421.	2.5	62

#	Article	IF	Citations
19	Uptake and photo-toxicity of FoscanÂ®, FoslipÂ® and FospegÂ® in multicellular tumor spheroids. Journal of Photochemistry and Photobiology B: Biology, 2016, 161, 244-252.	3.8	60
20	Meso-substituted tetra-cationic porphyrins photosensitize the death of human fibrosarcoma cells via lysosomal targeting. International Journal of Biochemistry and Cell Biology, 2005, 37, 306-319.	2.8	59
21	Spectroscopic studies on Zn(II)-phthalocyanine in homogeneous and microheterogeneous systems. Journal of Inorganic Biochemistry, 1987, 29, 59-65.	3.5	57
22	INTERACTION OF HUMAN SERUM ALBUMIN WITH HEMATOPORPHYRIN AND ITS ZN₂₊â€AND FE₃₊â€DERIVATIVES. International Journal of Peptide and Protein Research, 1981, 18, 402-408.	0.1	57
23	Highly PEGylated silica nanoparticles: â€œready to useâ€•stealth functional nanocarriers. Journal of Materials Chemistry, 2010, 20, 2780.	6.7	53
24	Pluronic® P123/F127 mixed micelles delivering sorafenib and its combination with verteporfin in cancer cells. International Journal of Nanomedicine, 2016, Volume 11, 4479-4494.	6.7	53
25	ULTRASTRUCTURAL STUDIES ON THE MECHANISM OF THE PHOTODYNAMIC THERAPY OF TUMORS. Photochemistry and Photobiology, 1987, 46, 675-681.	2.5	51
26	Porphyrinâ”Apidaecin Conjugate as a New Broad Spectrum Antibacterial Agent. ACS Medicinal Chemistry Letters, 2010, 1, 35-38.	2.8	51
27	Synthesis, Spectroscopic, and Photophysical Characterization and Photosensitizing Activity toward Prokaryotic and Eukaryotic Cells of Porphyrin-Magainin and -Buforin Conjugates. Journal of Medicinal Chemistry, 2014, 57, 1403-1415.	6.4	51
28	The cellular uptake of meta-tetra(hydroxyphenyl)chlorin entrapped in organically modified silica nanoparticles is mediated by serum proteins. Nanotechnology, 2009, 20, 345101.	2.6	49
29	Folate-targeted PEGylated liposomes improve the selectivity of PDT with meta-tetra(hydroxyphenyl)-chlorin (m-THPC). Photochemical and Photobiological Sciences, 2013, 12, 823-834.	2.9	46
30	CD44 Targeting Mediated by Polymeric Nanoparticles and Combination of Chlorine TPCS2a-PDT and Docetaxel-Chemotherapy for Efficient Killing of Breast Differentiated and Stem Cancer Cells In Vitro. Cancers, 2020, 12, 278.	3.7	45
31	Photothermal sensitization of amelanotic melanoma cells by Ni(II)-octabutoxy-naphthalocyanine. Journal of Photochemistry and Photobiology B: Biology, 1999, 53, 103-109.	3.8	37
32	Substitution of the Arginine/Leucine Residues in Apidaecin Ib with Peptoid Residues: Effect on Antimicrobial Activity, Cellular Uptake, and Proteolytic Degradation. Journal of Medicinal Chemistry, 2009, 52, 5197-5206.	6.4	35
33	Steady state and time-resolved spectroscopic studies on zinc(II) phthalocyanine in liposomes. Journal of Photochemistry and Photobiology B: Biology, 1992, 16, 331-340.	3.8	34
34	Targeted delivery of photosensitizers: efficacy and selectivity issues revealed by multifunctional ORMOSIL nanovectors in cellular systems. Nanoscale, 2013, 5, 6106.	5.6	30
35	Meta-tetra(hydroxyphenyl)chlorin-loaded liposomes sterically stabilised with poly(ethylene glycol) of different length and density: characterisation, in vitro cellular uptake and phototoxicity. Photochemical and Photobiological Sciences, 2011, 10, 1751.	2.9	28
36	Co-delivery of Docetaxel and Disulfonate Tetraphenyl Chlorin in One Nanoparticle Produces Strong Synergism between Chemo- and Photodynamic Therapy in Drug-Sensitive and -Resistant Cancer Cells. Molecular Pharmaceutics, 2018, 15, 4599-4611.	4.6	28

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37	Keratin nanoparticles co-delivering Docetaxel and Chlorin e6 promote synergic interaction between chemo- and photo-dynamic therapies. Journal of Photochemistry and Photobiology B: Biology, 2019, 199, 111598.	3.8	27
38	The Photochemistry of Carotenoids: Some Photosynthetic and Photomedical Aspects. Annals of the New York Academy of Sciences, 1993, 691, 32-47.	3.8	26
39	A Comparative Study on Two Cationic Porphycenes: Photophysical and Antimicrobial Photoinactivation Evaluation. International Journal of Molecular Sciences, 2015, 16, 27072-27086.	4.1	26
40	The effect of different liposomal formulations on the interaction of Zn(II)-phthalocyanine with isolated low and high density lipoproteins. International Journal of Biochemistry and Cell Biology, 1995, 27, 1249-1255.	2.8	23
41	Photosensitization of cells with different metastatic potentials by liposome-delivered Zn(II)-phthalocyanine. , 1998, 75, 412-417.		21
42	STUDIES ON THE MECHANISM OF THE HEMATOPORPHYRIN-SENSITIZED PHOTOOXIDATION OF 1,3-DIPHENYLISOBENZOFURAN IN ETHANOL and UNILAMELLAR LIPOSOMES. Photochemistry and Photobiology, 1991, 54, 633-637.	2.5	20
43	Conjugation of photosensitisers to antimicrobial peptides increases the efficiency of photodynamic therapy in cancer cells. Photochemical and Photobiological Sciences, 2015, 14, 1238-1250.	2.9	20
44	Cyclodextrin-assisted assembly of PEGylated polyester nanoparticles decorated with folate. Colloids and Surfaces B: Biointerfaces, 2016, 141, 148-157.	5.0	19
45	Effect of chemical structure and hydrophobicityon the pharmacokinetic properties of porphycenes in tumour-bearing mice. , 1997, 72, 329-336.		17
46	PEGylation of ORMOSIL nanoparticles differently modulates the in vitro toxicity toward human lung cells. Archives of Toxicology, 2015, 89, 607-620.	4.2	17
47	Biodegradable nanoparticles exposing a short anti-FLT1 peptide as antiangiogenic platform to complement docetaxel anticancer activity. Materials Science and Engineering C, 2019, 102, 876-886.	7.3	17
48	Skin-photosensitizing properties of Zn(II)-2(3), 9(10), 16(17), 23(24)-tetrakis-(4-oxy-N-methylpiperidinyl) phthalocyanine topically administered to mice. Journal of Photochemistry and Photobiology B: Biology, 2000, 55, 128-137.	3.8	16
49	Mitochondria and plasma membrane as targets of UVA-induced toxicity of neuroleptic drugs fluphenazine, perphenazine and thioridazine. International Journal of Biochemistry and Cell Biology, 2005, 37, 901-908.	2.8	16
50	Bronze Baby Syndrome: An Animal Model. Pediatric Research, 1990, 27, 22-25.	2.3	15
51	A generator of peroxynitrite activatable with red light. Chemical Science, 2021, 12, 4740-4746.	7.4	15
52	Factors Governing the Mechanism and Efficiency of Porphyrin-Sensitized Photooxidations in Homogeneous Solutions and Organized Media. Advances in Experimental Medicine and Biology, 1983, 160, 193-212.	1.6	15
53	Interaction of hydro- or lipophilic phthalocyanines with cells of different metastatic potential. Biochemical Pharmacology, 1996, 51, 585-590.	4.4	12
54	Shedding light on surface exposition of poly(ethylene glycol) and folate targeting units on nanoparticles of poly(Îµ-caprolactone) diblock copolymers: Beyond a paradigm. European Journal of Pharmaceutical Sciences, 2018, 111, 177-185.	4.0	12

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55	Second Generation Photosensitizers for the Photodynamic Therapy of Tumours. , 1991, , 253-266.		12
56	Photochemical and photosensitizing properties of monomeric and dimeric Sn(IV)-protoporphyrin. Journal of Photochemistry and Photobiology B: Biology, 1991, 8, 159-167.	3.8	10
57	Steady-state and time-resolved spectroscopic studies on low-density lipoprotein-bound Zn(II)-phthalocyanine. Journal of Photochemistry and Photobiology B: Biology, 1999, 49, 198-203.	3.8	10
58	Pharmacokinetic and phototherapeutic properties of axially substituted Si(IV)-tetradibenzobarreleno-octabutoxyphthalocyanines. Journal of Photochemistry and Photobiology B: Biology, 1997, 40, 163-167.	3.8	8
59	Keratin nanoparticles and photodynamic therapy enhance the anticancer stem cells activity of salinomycin. Materials Science and Engineering C, 2021, 122, 111899.	7.3	8
60	Photophysical Properties and Antibacterial Activity of Meso-substituted Cationic PorphyrinsÂ¶. Photochemistry and Photobiology, 2007, 75, 462-470.	2.5	5
61	Doxorubicinâ€“NO Releaser Molecular Hybrid Activatable by Green Light to Overcome Resistance in Breast Cancer Cells. ACS Omega, 2022, 7, 7452-7459.	3.5	5
62	Biodegradable nanoparticles combining cancer cell targeting and anti-angiogenic activity for synergistic chemotherapy in epithelial cancer. Drug Delivery and Translational Research, 2022, 12, 2488-2500.	5.8	4
63	‹title›Phthalocyanines as phototherapeutic agents for tumors‹/title›. , 1991, , .		1
64	Mechanism of Action of 4-Hydroxymethyl-1,6,8-trimethylfuro[2,3-h]quinolin-2(1H)-one, a Very Active Angular Furocoumarin-like Sensitizer. Photochemistry and Photobiology, 2005, 81, 1371.	2.5	1