Francesca Giuntini

List of Publications by Year
in descending order

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41 papers	1,382 citations	304743 22 h-index	330143 37 g-index
43 all docs	43 docs citations	43 times ranked	2313 citing authors

#	Article	IF	Citations
1	Recent Developments in Antibacterial Therapy: Focus on Stimuli-Responsive Drug-Delivery Systems and Therapeutic Nanoparticles. Molecules, 2019, 24, 1991.	3.8	134
2	Synthetic approaches for the conjugation of porphyrins and related macrocycles to peptides and proteins. Photochemical and Photobiological Sciences, 2011, 10, 759-791.	2.9	78
3	Effective photoinactivation of Gram-positive and Gram-negative bacterial strains using an HIV-1 Tat peptideâ€"porphyrin conjugate. Photochemical and Photobiological Sciences, 2010, 9, 1613-1620.	2.9	74
4	Sonodynamic antimicrobial chemotherapy: First steps towards a sound approach for microbe inactivation. Journal of Photochemistry and Photobiology B: Biology, 2015, 150, 44-49.	3.8	71
5	Structural Features and Ligand Binding Properties of Tandem WW Domains from YAP and TAZ, Nuclear Effectors of the Hippo Pathway. Biochemistry, 2011, 50, 3300-3309.	2.5	68
6	NanoSOSG: A Nanostructured Fluorescent Probe for the Detection of Intracellular Singlet Oxygen. Angewandte Chemie - International Edition, 2017, 56, 2885-2888.	13.8	68
7	Insight into ultrasound-mediated reactive oxygen species generation by various metal-porphyrin complexes. Free Radical Biology and Medicine, 2018, 121, 190-201.	2.9	60
8	Fluorescence Lifetime Imaging and FRETâ€Induced Intracellular Redistribution of Tatâ€Conjugated Quantum Dot Nanoparticles through Interaction with a Phthalocyanine Photosensitiser. Small, 2014, 10, 782-792.	10.0	58
9	Synthesis of tetrasubstituted Zn(II)-phthalocyanines carrying four carboranyl-units as potential BNCT and PDT agents. Tetrahedron Letters, 2005, 46, 2979-2982.	1.4	53
10	Phthalocyanines as photodynamic agents for the inactivation of microbial pathogens. Journal of Porphyrins and Phthalocyanines, 2006, 10, 147-159.	0.8	50
11	Photosensitizing properties of a boronated phthalocyanine: studies at the molecular and cellular level. Journal of Photochemistry and Photobiology B: Biology, 2001, 64, 1-7.	3.8	45
12	5-Aminolaevulinic acid peptide prodrugs enhance photosensitization for photodynamic therapy. Molecular Cancer Therapeutics, 2008, 7, 1720-1729.	4.1	44
13	Synthesis of cationic Î²-vinyl substituted meso-tetraphenylporphyrins and their in vitro activity against herpes simplex virus type 1. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 3333-3337.	2.2	42
14	A novel10B-enriched carboranyl-containing phthalocyanine as a radio- and photo-sensitising agent for boron neutron capture therapy and photodynamic therapy of tumours: in vitro and in vivo studies. Photochemical and Photobiological Sciences, 2006, 5, 39-50.	2.9	41
15	Photochemical internalisation of a macromolecular protein toxin using a cell penetrating peptide-photosensitiser conjugate. Journal of Controlled Release, 2012, 157, 305-313.	9.9	41
16	Hierarchical Selfâ€Assembly of Peptides and its Applications in Bionanotechnology. Macromolecular Chemistry and Physics, 2019, 220, 1900085.	2.2	37
17	Improved Peptide Prodrugs of 5-ALA for PDT: Rationalization of Cellular Accumulation and Protoporphyrin IX Production by Direct Determination of Cellular Prodrug Uptake and Prodrug Metabolization. Journal of Medicinal Chemistry, 2009, 52, 4026-4037.	6.4	36
18	Synthesis and reactivity of 2-(porphyrin-2-yl)-1,3-dicarbonyl compounds. Tetrahedron, 2005, 61, 10454-10461.	1.9	33

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19	Synthesis of trimethylammoniumphenylthio-substituted phthalocyanines with different pattern of substitution. Tetrahedron Letters, 2003, 44, 515-517.	1.4	28
20	Huisgen-based conjugation of water-soluble porphyrins to deprotected sugars: towards mild strategies for the labelling of glycans. Organic and Biomolecular Chemistry, 2014, 12, 1203-1206.	2.8	26
21	Controlled intracellular generation of reactive oxygen species in human mesenchymal stem cells using porphyrin conjugated nanoparticles. Nanoscale, 2015, 7, 14525-14531.	5.6	23
22	Synthesis and bactericidal properties of porphyrins immobilized in a polyacrylamide support: influence of metal complexation on photoactivity. Journal of Materials Chemistry B, 2017, 5, 1834-1845.	5.8	23
23	Heme oxygenase-1 regulates cell proliferation via carbon monoxide-mediated inhibition of T-type Ca2+ channels. Pflugers Archiv European Journal of Physiology, 2015, 467, 415-427.	2.8	21
24	Mechanisms of growth inhibition of primary prostate epithelial cells following gamma irradiation or photodynamic therapy include senescence, necrosis, and autophagy, but not apoptosis. Cancer Medicine, 2016, 5, 61-73.	2.8	18
25	Protoporphyrin IX enhancement by 5-aminolaevulinic acid peptide derivatives and the effect of RNA silencing on intracellular metabolism. British Journal of Cancer, 2009, 100, 723-731.	6.4	17
26	The bright side of sound: perspectives on the biomedical application of sonoluminescence. Photochemical and Photobiological Sciences, 2020, 19, 1114-1121.	2.9	17
27	Silk Fibroin/Poly(vinyl Alcohol) Microneedles as Carriers for the Delivery of Singlet Oxygen Photosensitizers. ACS Biomaterials Science and Engineering, 2022, 8, 128-139.	5.2	17
28	Silk fibroin hydrogels for potential applications in photodynamic therapy. Biopolymers, 2018, 110, e23245.	2.4	16
29	Characterization of isomeric cationic porphyrins with Î²-pyrrolic substituents by electrospray mass spectrometry: The singular behavior of a potential virus photoinactivator. Journal of the American Society for Mass Spectrometry, 2007, 18, 218-225.	2.8	15
30	Cationic Î²-vinyl substitutedmeso-tetraphenylporphyrins: synthesis and non-covalent interactions with a short poly(dGdC) duplex. Journal of Porphyrins and Phthalocyanines, 2012, 16, 101-113.	0.8	15
31	The Use of Dipeptide Derivatives of 5-Aminolaevulinic Acid Promotes Their Entry to Tumor Cells and Improves Tumor Selectivity of Photodynamic Therapy. Molecular Cancer Therapeutics, 2015, 14, 440-451.	4.1	15
32	Porphyrin Conjugates for Cancer Therapy. Handbook of Porphyrin Science, 2013, , 303-416.	0.8	14
33	Conjugation with L,L-diphenylalanine Self-Assemblies Enhances In Vitro Antitumor Activity of Phthalocyanine Photosensitizer. Scientific Reports, 2017, 7, 13166.	3.3	12
34	Peptide-Tetrapyrrole Supramolecular Self-Assemblies: State of the Art. Molecules, 2021, 26, 693.	3.8	12
35	Duramycin-porphyrin conjugates for targeting of tumour cells using photodynamic therapy. Journal of Photochemistry and Photobiology B: Biology, 2016, 163, 374-384.	3.8	11
36	Sonodynamic Treatment Induces Selective Killing of Cancer Cells in an In Vitro Co-Culture Model. Cancers, 2021, 13, 3852.	3.7	11

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37	Quantitative determination of 5-aminolaevulinic acid and its esters in cell lysates by HPLC-fluorescence. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 875, 562-566.	2.3	10
38	Regio- and Stereoselective Cycloadditions of Cyclic Nitrones to Maleic Diamide Forced in a Peptide:Â Synthesis of Potent Ligands of Human NK-2 Receptor. Journal of Organic Chemistry, 2000, 65, 4003-4008.	3.2	8
39	Quadruple labelled dual oxygen and pH-sensitive ratiometric nanosensors. Sensing and Bio-Sensing Research, 2016, 8, 36-42.	4.2	8
40	NanoSOSG: A Nanostructured Fluorescent Probe for the Detection of Intracellular Singlet Oxygen. Angewandte Chemie, 2017, 129, 2931-2934.	2.0	7
41	Using <scp>¹⁹F NMR</scp> and twoâ€level factorial design to explore thiolâ€fluoride substitution in hexafluorobenzene and its application in peptide stapling and cyclisation. Peptide Science, 2021, 113, e24182.	1.8	5