Fabienne Dumoulin

List of Publications by Year in Descending Order

90 papers	2,430 citations	24 h-index	47 g-index
103 ext. papers	2,847 ext. citations	4.6 avg, IF	5.14 L-index

#	Paper	IF	Citations
90	Nanoscaled PAMAM Dendrimer Spacer Improved the Photothermal-Photodynamic Treatment Efficiency of Photosensitizer-Decorated Confeito-Like Gold Nanoparticles for Cancer Therapy.. *Macromolecular Bioscience*, **2022**, e2200130	5.5	1
89	Tuning of organic heterojunction conductivity by the substituents electronic effects in phthalocyanines for ambipolar gas sensors. *Sensors and Actuators B: Chemical*, **2021**, 332, 129505	8.5	9
88	Peptoid-phthalocyanine architectures with different grafting positions: Synthetic strategy and photoproperties. *Dyes and Pigments*, **2021**, 189, 109095	4.6	0
87	In vivo phototoxic effects of a tetraethyleneglycol-substituted Zn phthalocyanine in tumor bearing rats at an enzymatic level. *Journal of Porphyrins and Phthalocyanines*, **2021**, 25, 120-127	1.8	1
86	Photodynamic inactivation of using tetraethylene glycol-substituted Zn(II) phthalocyanine. *Biotechnic and Histochemistry*, **2021**, 96, 311-314	1.8	1
85	Effect of PVP formulation on the in vitro photodynamic efficiency of a photosensitizing phthalocyanine **2021**, 395-399		
84	Photoproperties, PVP formulation and 19F NMR of a Zn phthalocyanine with 24 magnetically pseudo-equivalent fluorine atoms **2021**, 622-629		
83	A3B and ABAB aminophthalocyanines: Building blocks for dimeric and polymeric constructs **2021**, 657-663		
82	Alkylthio-tetrasubstituted Nitrido Diiron Phthalocyanines: Spectroelectrochemistry, Electrical Properties, and Heterojunctions for Ammonia Sensing. *Inorganic Chemistry*, **2020**, 59, 1057-1067	5.1	5
81	The unique features and promises of phthalocyanines as advanced photosensitisers for photodynamic therapy of cancer. *Chemical Society Reviews*, **2020**, 49, 1041-1056	58.5	256
80	Phthalocyanine-based mesoporous organosilica nanoparticles: NIR photodynamic efficiency and siRNA photochemical internalization. *Chemical Communications*, **2019**, 55, 11619-11622	5.8	11
79	Corrigendum to Zn phthalocyanine conjugation to H2-ul aptamer for HER2-targeted breast cancer photodynamic therapy: Design, optimization and properties *Journal of Porphyrins and Phthalocyanines*, **2019**, 23, 303-303	1.8	1
78	CO electrochemical catalytic reduction with a highly active cobalt phthalocyanine. *Nature Communications*, **2019**, 10, 3602	17.4	163
77	Photoproperties, PVP formulation and 19F NMR of a Zn phthalocyanine with 24 magnetically pseudo-equivalent fluorine atoms. *Journal of Porphyrins and Phthalocyanines*, **2019**, 23, 611-618	1.8	3
76	A3B and ABAB aminophthalocyanines: Building blocks for dimeric and polymeric constructs. *Journal of Porphyrins and Phthalocyanines*, **2019**, 23, 1448-1454	1.8	2
75	Effect of PVP formulation on the in vitro photodynamic efficiency of a photosensitizing phthalocyanine. *Journal of Porphyrins and Phthalocyanines*, **2019**, 23, 1587-1591	1.8	2
74	Synthesis and characterization of a new meso-tetra-dihydro benzocyclobutacenaphthylene free-base porphyrin. *Journal of Porphyrins and Phthalocyanines*, **2018**, 22, 173-180	1.8	3

73	Photophysical properties of palladium/platinum tetrasulfonyl phthalocyanines and their application in triplet-triplet annihilation upconversion. *Journal of Materials Chemistry C*, **2018**, 6, 5785-5793	7.1	20
72	Triphenylphosphonium-substituted phthalocyanine: Design, synthetic strategy, photoproperties and photodynamic activity. *Journal of Porphyrins and Phthalocyanines*, **2018**, 22, 552-561	1.8	11
71	Cyclotriphosphazene, a scaffold for 19 F MRI contrast agents. *Tetrahedron Letters*, **2018**, 59, 521-523	2	8
70	Sulfanyl vs sulfonyl, 4,5- vs 3,6- position. How structural variations in phthalonitrile substitution affect their infra-red, crystallographic and Hirshfeld surface analyses. *Journal of Molecular Structure* , **2018**, 1155, 310-319	3.4	8
69	Surfactant-Free Direct Access to Porphyrin-Cross-Linked Nanogels for Photodynamic and Photothermal Therapy. *Bioconjugate Chemistry*, **2018**, 29, 4149-4159	6.3	11
68	Effect of the Substitution Pattern (Peripheral vs Non-Peripheral) on the Spectroscopic, Electrochemical, and Magnetic Properties of Octahexylsulfanyl Copper Phthalocyanines. *Inorganic Chemistry*, **2018**, 57, 6456-6465	5.1	8
67	Near-Infrared Activatable Phthalocyanine-Poly-L-Glutamic Acid Conjugate: Enhanced in Vivo Safety and Antitumor Efficacy toward an Effective Photodynamic Cancer Therapy. *Molecular Pharmaceutics*, **2018**, 15, 2594-2605	5.6	7
66	Fluorescent H-aggregates of an asymmetrically substituted mono-amino Zn(ii) phthalocyanine. *Dalton Transactions*, **2017**, 46, 1914-1926	4.3	36
65	Near-infrared activatable phthalocyanine-poly-L-glutamic acid conjugate: increased cellular uptake and light-dark toxicity ratio toward an effective photodynamic cancer therapy. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2017**, 13, 1447-1458	6	21
64	Iron porphyrin-modified PVDF membrane as a biomimetic material and its effectiveness on nitric oxide binding. *Applied Surface Science*, **2017**, 420, 625-630	6.7	5
63	Porphyrin- or phthalocyanine-bridged silsesquioxane nanoparticles for two-photon photodynamic therapy or photoacoustic imaging. *Nanoscale*, **2017**, 9, 16622-16626	7.7	28
62	Assessment of the relevance of GaPc substituted with azido-polyethylene glycol chains for photodynamic therapy. Design, synthetic strategy, fluorescence, singlet oxygen generation, and pH-dependent spectroscopic behaviour. *New Journal of Chemistry*, **2017**, 41, 10027-10036	3.6	9
61	Structure-Photoproperties Relationship Investigation of the Singlet Oxygen Formation in Porphyrin-Fullerene Dyads. *Journal of Fluorescence*, **2017**, 27, 1855-1869	2.4	5
60	Disulfide-bridge dimeric porphyrin and their reference compounds for glutathione-based specific tumor-activation. *Journal of Porphyrins and Phthalocyanines*, **2017**, 21, 918-924	1.8	3
59	Zn phthalocyanine conjugation to H2-ul aptamer for HER2-targeted breast cancer photodynamic therapy: Design, optimization and properties. *Journal of Porphyrins and Phthalocyanines*, **2017**, 21, 887-892	1.8	7
58	Fluorination of phthalocyanine substituents: Improved photoproperties and enhanced photodynamic efficacy after optimal micellar formulations. *European Journal of Medicinal Chemistry* , **2016**, 124, 284-298	6.8	55
57	Iodination improves the phototoxicity of an amphiphilic porphyrin. *Photodiagnosis and Photodynamic Therapy*, **2016**, 16, 12-14	3.5	5
56	Spectroscopic and structural properties of bisphthalonitriles with O/S/SO2 grafting: Comparative theoretical and experimental studies. *Journal of Molecular Structure*, **2016**, 1123, 261-270	3.4	2

55	Antimicrobial activity of a quaternized BODIPY against Staphylococcus strains. *Organic and Biomolecular Chemistry*, **2016**, 14, 2665-70	3.9	23
54	A library of dimeric and trimeric phthalonitriles linked by a single aromatic ring: comparative structural and DFT investigations. *CrystEngComm*, **2016**, 18, 1416-1426	3.3	11
53	Methylsulfonyl Zn phthalocyanine: A polyvalent and powerful hydrophobic photosensitizer with a wide spectrum of photodynamic applications. *Photodiagnosis and Photodynamic Therapy*, **2016**, 13, 40-47	3.5	25
52	Design of an amphiphilic porphyrin exhibiting high in vitro photocytotoxicity. *New Journal of Chemistry*, **2016**, 40, 2044-2050	3.6	8
51	Bisphthalonitrile with a Disulfide-Based Linker and its Dimethylene Analogue: Comparative Structural Insights. *Crystals*, **2016**, 6, 89	2.3	1
50	Covalent or supramolecular combinations of resorcinarenes and porphyrinoids. *Journal of Porphyrins and Phthalocyanines*, **2016**, 20, 571-581	1.8	1
49	Phthalocyanine-chalcone conjugates. *Journal of Porphyrins and Phthalocyanines*, **2016**, 20, 497-504	1.8	7
48	Subtle variations of the behavior of a silylated tetraethylene glycol-substituted Zn phthalocyanine towards acids. *Journal of Porphyrins and Phthalocyanines*, **2016**, 20, 1182-1189	1.8	2
47	Molecular Hybrids of Cavitands and Porphyrinoids **2016**, 165-297		2
46	Fluorescent mono- and tetra-dansylated cavitands: synthesis and acid sensitivity. *Turkish Journal of Chemistry*, **2015**, 39, 207-216	1	0
45	The synthesis of an octasubstituted monohydroxylated phthalocyanine designed to investigate the effect of the presence of active moieties. *New Journal of Chemistry*, **2015**, 39, 3929-3935	3.6	5
44	Site-selective formation of an iron(iv)-oxo species at the more electron-rich iron atom of heteroleptic nitrido diiron phthalocyanines. *Chemical Science*, **2015**, 6, 5063-5075	9.4	52
43	Resorcinarene-mono-benzimidazolium salts as NHC ligands for Suzuki--Miyaura cross-couplings catalysts. *Turkish Journal of Chemistry*, **2015**, 39, 1300-1309	1	3
42	1,4,8,11,15,18,22,25-Alkylsulfanyl phthalocyanines: effect of macrocycle distortion on spectroscopic and packing properties. *Chemical Communications*, **2015**, 51, 6580-3	5.8	29
41	Modulation of singlet oxygen generation and amphiphilic properties of trihydroxylated monohalogenated porphyrins. *Journal of Porphyrins and Phthalocyanines*, **2015**, 19, 1081-1087	1.8	12
40	Axial binding and host-guest interactions of a phthalocyanine resorcinarene cavitand hybrid. *Dalton Transactions*, **2014**, 43, 2032-7	4.3	10
39	Optimized synthesis and crystal growth by sublimation of 1,3,3-trichloroisoindolenines, key building blocks for crosswise phthalocyanines. *CrystEngComm*, **2014**, 16, 6556	3.3	1
38	Modulation of the electronic and spectroscopic properties of Zn(II) phthalocyanines by their substitution pattern. *Dalton Transactions*, **2014**, 43, 6897-908	4.3	66

37	Sulfonamide-substituted iron phthalocyanine: design, solubility range, stability and oxidation of olefins. *Dalton Transactions*, **2014**, 43, 17916-9	4.3	9
36	Expeditious selective access to functionalized platforms of A(7)B-type heteroleptic lanthanide double-decker complexes of phthalocyanine. *Chemical Communications*, **2014**, 50, 7466-8	5.8	8
35	Design of a Gd-DOTA-phthalocyanine conjugate combining MRI contrast imaging and photosensitization properties as a potential molecular theranostic. *Photochemistry and Photobiology*, **2014**, 90, 1376-86	3.6	39
34	Dihydroxylated Alkylsulfanyl Phthalonitriles. *Journal of Chemical Crystallography*, **2014**, 44, 337-345	0.5	4
33	Synthetic approaches to asymmetric phthalocyanines and their analogues. *Arkivoc*, **2014**, 2014, 142-204	0.9	47
32	Improved photodynamic efficacy of Zn(II) phthalocyanines via glycerol substitution. *PLoS ONE*, **2014**, 9, e97894	3.7	37
31	N-bridged dimers of tetrapyrroles complexed by transition metals: syntheses, characterization methods, and uses as oxidation catalysts. *Turkish Journal of Chemistry*, **2014**, 38, 923-949	1	24
30	Comparative structural analysis of 4,5- and 3,6-dialkylsulfanylphthalonitriles of different bulkiness. *Structural Chemistry*, **2013**, 24, 1027-1038	1.8	11
29	Assessing the dual activity of a chalcone-phthalocyanine conjugate: design, synthesis, and antivascular and photodynamic properties. *Molecular Pharmaceutics*, **2013**, 10, 3706-16	5.6	37
28	Hydrophilic annulated dinuclear zinc(II) phthalocyanine as Type II photosensitizers for PDT: a combined experimental and (TD)-DFT investigation. *Journal of Porphyrins and Phthalocyanines*, **2013**, 17, 980-988	1.8	8
27	Monoglycoconjugated phthalocyanines: effect of sugar and linkage on photodynamic activity. *Photodiagnosis and Photodynamic Therapy*, **2013**, 10, 252-9	3.5	49
26	Phthalonitriles Functionalized for Click Chemistry. Design, Synthesis and Structural Characterization. *Journal of Chemical Crystallography*, **2013**, 43, 636-645	0.5	12
25	Dendrimeric-like hexadecahydroxylated zinc phthalocyanine: Synthesis and evaluation of photodynamic efficiency. *Journal of Porphyrins and Phthalocyanines*, **2013**, 17, 596-603	1.8	4
24	4,5-, 3,6-, and 3,4,5,6-tert-Butylsulfanylphthalonitriles: synthesis and comparative structural and spectroscopic analyses. *Structural Chemistry*, **2012**, 23, 175-183	1.8	17
23	Orthogonally bifunctionalised polyacrylamide nanoparticles: a support for the assembly of multifunctional nanodevices. *Nanoscale*, **2012**, 4, 2034-45	7.7	24
22	Towards near-infrared photosensitisation: a photosensitising hydrophilic non-peripherally octasulfanyl-substituted Zn phthalocyanine. *Tetrahedron Letters*, **2012**, 53, 5227-5230	2	22
21	Towards dual photodynamic and antiangiogenic agents: design and synthesis of a phthalocyanine-chalcone conjugate. *Organic and Biomolecular Chemistry*, **2012**, 10, 1154-7	3.9	21
20	Design and Conception of Photosensitisers **2011**, 1-46		1

19	A set of highly water-soluble tetraethyleneglycol-substituted Zn(II) phthalocyanines: synthesis, photochemical and photophysical properties, interaction with plasma proteins and in vitro phototoxicity. *Dalton Transactions*, **2011**, 40, 4067-79	4.3	108
18	Click chemistry: the emerging role of the azide-alkyne Huisgen dipolar addition in the preparation of substituted tetrapyrrolic derivatives. *Journal of Porphyrins and Phthalocyanines*, **2011**, 15, 481-504	1.8	59
17	Two-dimensional supramolecular assemblies involving neoglycoplipids: Self-organization and insertion properties into Langmuir monolayers. *Biochimie*, **2011**, 93, 101-12	4.6	4
16	Preparation of amphiphilic glycerol-substituted zinc phthalocyanines using copper-free Sonogashira cross-coupling in aqueous medium. *Tetrahedron Letters*, **2011**, 52, 4395-4397	2	13
15	Preparation of N-bridged diiron phthalocyanines bearing bulky or small electron-withdrawing substituents. *Journal of Porphyrins and Phthalocyanines*, **2010**, 14, 324-334	1.8	24
14	Amphiphilic carbohydrate–phthalocyanine conjugates obtained by glycosylation or by azide–alkyne click reaction. *New Journal of Chemistry*, **2010**, 34, 1153	3.6	39
13	Light-triggered liposomal release: membrane permeabilization by photodynamic action. *Langmuir*, **2010**, 26, 5726-33	4	84
12	Comparative studies of photophysical and photochemical properties of solketal substituted platinum(II) and zinc(II) phthalocyanine sets. *Tetrahedron*, **2010**, 66, 3248-3258	2.4	129
11	Monoglycoconjugated water-soluble phthalocyanines. Design and synthesis of potential selectively targeting PDT photosensitisers. *Tetrahedron Letters*, **2010**, 51, 6615-6618	2	64
10	Synthetic pathways to water-soluble phthalocyanines and close analogs. *Coordination Chemistry Reviews*, **2010**, 254, 2792-2847	23.2	328
9	Octasolketal-substituted phthalocyanines: synthesis and systematic study of metal effect and substitution pattern on 13C NMR. *Journal of Porphyrins and Phthalocyanines*, **2009**, 13, 760-768	1.8	15
8	Tetraimidazophthalocyanines: influence of protonation and aggregation on spectroscopic observations. *Journal of Porphyrins and Phthalocyanines*, **2009**, 13, 702-711	1.8	11
7	Glycerol and galactose substituted zinc phthalocyanines. Synthesis and photodynamic activity. *Photochemical and Photobiological Sciences*, **2009**, 8, 312-8	4.2	66
6	A first ABAC phthalocyanine. *Journal of Porphyrins and Phthalocyanines*, **2009**, 13, 161-165	1.8	10
5	Amphiphilic galactosylated phthalocyanines. *Journal of Porphyrins and Phthalocyanines*, **2008**, 12, 1090-1095	1.8	17
4	Synthesis and liquid crystalline properties of mono-, di- and tri-O-alkyl pentaerythritol derivatives bearing tri-, di- or monogalactosyl heads: the effects of curvature of molecular packing on mesophase formation. *Chemistry - A European Journal*, **2007**, 13, 5585-600	4.8	8
3	Synthesis of amphiphilic phenylazophenyl glycosides and a study of their liquid crystal properties. *Journal of the American Chemical Society*, **2003**, 125, 15499-506	16.4	49
2	Self-organizing properties of natural and related synthetic glycolipids. *Journal of the American Chemical Society*, **2002**, 124, 13737-48	16.4	45

1	Syntheses of neoglycolipids with hexitol spacers between the saccharidic and the lipidic parts. *Carbohydrate Research*, **2001**, 331, 107-17	2.9	15