Sbastien Richeter

List of Publications by Citations

76 papers	2,395 citations	26 h-index	47 g-index
86 ext. papers	2,629 ext. citations	4.7 avg, IF	4.58 L-index

#	Paper	IF	Citations
76	Silica-based nanoparticles for photodynamic therapy applications. *Nanoscale*, **2010**, 2, 1083-95	7.7	221
75	Mannose-targeted mesoporous silica nanoparticles for photodynamic therapy. *Chemical Communications*, **2009**, 1475-7	5.8	200
74	The canted antiferromagnetic approach to single-chain magnets. *Journal of the American Chemical Society*, **2008**, 130, 1619-27	16.4	175
73	Cancer therapy improvement with mesoporous silica nanoparticles combining targeting, drug delivery and PDT. *International Journal of Pharmaceutics*, **2012**, 423, 509-15	6.5	137
72	Syntheses and optical and electrochemical properties of porphyrin dimers linked by metal ions. *Journal of the American Chemical Society*, **2002**, 124, 6168-79	16.4	116
71	Catalysis by a synthetic receptor sealed at one end and functionalized at the other. *Journal of the American Chemical Society*, **2004**, 126, 16280-1	16.4	88
70	Silicalites and Mesoporous Silica Nanoparticles for photodynamic therapy. *International Journal of Pharmaceutics*, **2010**, 402, 221-30	6.5	76
69	Reactivity of gold nanoparticles towards N-heterocyclic carbenes. *Dalton Transactions*, **2014**, 43, 5978-82	4.3	68
68	Synthesis of new porphyrins with peripheral conjugated chelates and their use for the preparation of porphyrin dimers linked by metal ions. *Inorganic Chemistry*, **2004**, 43, 251-63	5.1	67
67	Synthesis and structural characterisation of the first N-heterocyclic carbene ligand fused to a porphyrin. *Chemical Communications*, **2007**, 2148-50	5.8	61
66	Multifunctionalized mesoporous silica nanoparticles for the in vitro treatment of retinoblastoma: Drug delivery, one and two-photon photodynamic therapy. *International Journal of Pharmaceutics*, **2012**, 432, 99-104	6.5	59
65	Synthesis, Characterization, and Electronic Properties of Metalloporphyrins Annulated to Exocyclic Imidazole and Imidazolium Rings. *European Journal of Organic Chemistry*, **2010**, 2010, 1912-1920	3.2	57
64	Ultrasmall NHC-coated gold nanoparticles obtained through solvent free thermolysis of organometallic Au(i) complexes. *Dalton Transactions*, **2014**, 43, 15713-8	4.3	50
63	Synthesis of extended porphyrins by connection of meso-aryl groups with β pyrrolic positions. *Journal of Porphyrins and Phthalocyanines*, **2012**, 16, 464-478	1.8	49
62	Preparation of six isomeric bis-acylporphyrins with chromophores reaching the near-infrared via intramolecular Friedel-Crafts reaction. *Journal of Organic Chemistry*, **2003**, 68, 9200-8	4.2	44
61	Aromatic nucleophilic substitution (S(N)Ar) of meso-nitroporphyrin with azide and amines as an alternative metal catalyst free synthetic approach to obtain meso-N-substituted porphyrins. *Journal of Organic Chemistry*, **2014**, 79, 6424-34	4.2	41
60	Chirality in DNA-β conjugated polymer supramolecular structures: insights into the self-assembly. *Chemical Communications*, **2013**, 49, 5483-5	5.8	40

59	Porphyrins acting as external and internal ligands: preparation of conjugated trimetallic dimeric porphyrins. *Chemical Communications*, **2001**, 91-92	5.8	39
58	Peripherally Metalated Porphyrins with Applications in Catalysis, Molecular Electronics and Biomedicine. *Chemistry - A European Journal*, **2018**, 24, 15442-15460	4.8	37
57	Mesoporous silicon nanoparticles for targeted two-photon theranostics of prostate cancer. *Journal of Materials Chemistry B*, **2016**, 4, 3639-3642	7.3	32
56	N-heterocyclic carbene (NHC) ligands annulated to free-base porphyrins: modulation of the electronic properties of the NHC upon protonation or metallation of the porphyrin. *Chemical Communications*, **2011**, 47, 2976-8	5.8	31
55	Mesoporous silica nanoparticles in recent photodynamic therapy applications. *Photochemical and Photobiological Sciences*, **2018**, 17, 1651-1674	4.2	30
54	Reactivity of oxonaphtoporphyrins. Efficient □functionalization of the porphyrin ring on reaction with nitrogen or carbon nucleophiles. *Tetrahedron Letters*, **2001**, 42, 2103-2106	2	30
53	Binding modes of a core-extended metalloporphyrin to human telomeric DNA G-quadruplexes. *Organic and Biomolecular Chemistry*, **2015**, 13, 2453-63	3.9	27
52	Experimental and Theoretical Study of the Reactivity of Gold Nanoparticles Towards Benzimidazole-2-ylidene Ligands. *Chemistry - A European Journal*, **2016**, 22, 10446-58	4.8	27
51	Porphyrins fused to N-heterocyclic carbenes (NHCs): modulation of the electronic and catalytic properties of NHCs by the central metal of the porphyrin. *Chemistry - A European Journal*, **2013**, 19, 15652-60	4.8	27
50	Stepwise fusion of porphyrin □pyrrolic positions to imidazole rings. *Organic Letters*, **2011**, 13, 3110-3	6.2	25
49	Synthesis, structural characterization, and electrochemical studies of nickel porphyrins bearing two peripheral conjugated chelating groups. *Inorganic Chemistry*, **2007**, 46, 10241-51	5.1	25
48	Generation of Multicomponent Molecular Cages using Simultaneous Dynamic Covalent Reactions. *Chemistry - A European Journal*, **2017**, 23, 18010-18018	4.8	24
47	A combined experimental-computational study of benzoxaborole crystal structures. *CrystEngComm* , **2014**, 16, 4999	3.3	24
46	Gemcitabine Delivery and Photodynamic Therapy in Cancer Cells via Porphyrin-Ethylene-Based Periodic Mesoporous Organosilica Nanoparticles. *ChemNanoMat*, **2018**, 4, 46-51	3.5	23
45	Synthesis, Characterization, and Electronic Properties of Porphyrins Conjugated with N-Heterocyclic Carbene (NHC)□Gold(I) Complexes. *Organometallics*, **2016**, 35, 663-672	3.8	23
44	Porphyrins Conjugated with Peripheral Thiolato Gold(I) Complexes for Enhanced Photodynamic Therapy. *Chemistry - A European Journal*, **2017**, 23, 14017-14026	4.8	22
43	Well-designed poly(3-hexylthiophene) as hole transporting material: A new opportunity for solid-state dye-sensitized solar cells. *Synthetic Metals*, **2017**, 226, 157-163	3.6	20
42	Synthesis and characterization of carboxystyryl end-functionalized poly(3-hexylthiophene)/TiO2 hybrids in view of photovoltaic applications. *Synthetic Metals*, **2012**, 162, 1615-1622	3.6	20

41	Porphyrins fused to N-heterocyclic carbene palladium complexes as tunable precatalysts in Mizoroki–Heck reactions: How the porphyrin can modulate the apparent catalytic activity?. *Comptes Rendus Chimie*, **2016**, 19, 94-102	2.7	19
40	Synthesis of TiO2-poly(3-hexylthiophene) hybrid particles through surface-initiated Kumada catalyst-transfer polycondensation. *Langmuir*, **2014**, 30, 11340-7	4	19
39	Synthesis, structural characterization, and properties of aluminum (III) meso-tetraphenylporphyrin complexes axially bonded to phosphinate anions. *Inorganic Chemistry*, **2006**, 45, 10049-51	5.1	19
38	All-conjugated cationic copolythiophene––block copolyelectrolytes: synthesis, optical properties and solvent-dependent assembly. *Polymer Chemistry*, **2014**, 5, 3352-3362	4.9	18
37	Unexpected drastic decrease in the excited-state electronic communication between porphyrin chromophores covalently linked by a palladium(II) bridge. *Chemistry - A European Journal*, **2014**, 20, 12988-3001	4.8	18
36	Self-assembly and hybridization mechanisms of DNA with cationic polythiophene. *Soft Matter*, **2015**, 11, 6460-71	3.6	17
35	Colorful Friedel-Crafts chemistry of meso-tetraarylporphyrins. An unexpected route to porphyrinic spiro dimers. *Organic Letters*, **2003**, 5, 1487-9	6.2	17
34	Molecular design of interfacial layers based on conjugated polythiophenes for polymer and hybrid solar cells. *Polymer International*, **2017**, 66, 1333-1348	3.3	16
33	Meso-aryl–pyrrolic positions interactions in meso-tetraarylporphyrins: Flat arylporphyrins and building blocks for oligoporphyrins. *Journal of Porphyrins and Phthalocyanines*, **2004**, 08, 111-119	1.8	16
32	Preparation, mass spectrometry and electrochemical studies of metal connected porphyrin oligomers. *Journal of Porphyrins and Phthalocyanines*, **2002**, 06, 423-430	1.8	16
31	Self-assembled conjugated polyelectrolyte–surfactant complexes as efficient cathode interlayer materials for bulk heterojunction organic solar cells. *Journal of Materials Chemistry A*, **2015**, 3, 23905-23916	13	15
30	Ultrafast energy transfer in a Pd(II)-bridged bisporphyrin dyad. *Chemical Communications*, **2014**, 50, 14609-12	5.8	13
29	Syntheses, Crystal Structures, and Magnetic Properties of MnIII(L)phosphinate Complexes (L = meso-tetraphenylporphyrin or Schiff base). *European Journal of Inorganic Chemistry*, **2013**, 2013, 3206-3216	2.3	13
28	Cofacial porphyrin dimers assembled from N-heterocyclic carbene-metal bonds. *Chemical Communications*, **2018**, 54, 9603-9606	5.8	12
27	Synthesis of stable free base secochlorins and their corresponding metal complexes from meso-tetraarylporphyrin derivatives. *Chemical Communications*, **2012**, 48, 3460-2	5.8	12
26	Expanding the light absorption of poly(3-hexylthiophene) by end-functionalization with extended porphyrins. *Chemical Communications*, **2016**, 52, 171-4	5.8	11
25	Regioregular Polythiophene–Porphyrin Supramolecular Copolymers for Optoelectronic Applications. *Macromolecular Chemistry and Physics*, **2016**, 217, 445-458	2.6	11
24	Diazachlorin and diazabacteriochlorin for one- and two-photon photodynamic therapy. *Chemical Communications*, **2018**, 54, 13829-13832	5.8	10

23	A Cationic Tetraphenylethene as a Light-Up Supramolecular Probe for DNA G-Quadruplexes. *Frontiers in Chemistry*, **2019**, 7, 493	5	9
22	Reinvestigation of the Pd-catalyzed bis(silylation) of alkynes with 1,1,2,2-tetramethyl-1,2-bis(phenylthiomethyl)disilane: Unexpected formation of the eight-membered siloxane□thiolate complex cis-[PdCl2{(PhSCH2SiMe2)2O}]. *Journal of Organometallic Chemistry*, **2019**, 724, 262-270	2.3	9
21	Detection of the Enzymatic Cleavage of DNA through Supramolecular Chiral Induction to a Cationic Polythiophene.. *ACS Applied Bio Materials*, **2019**, 2, 2125-2136	4.1	8
20	Periodic Mesoporous Ionosilica Nanoparticles for Green Light Photodynamic Therapy and Photochemical Internalization of siRNA. *ACS Applied Materials & Interfaces*, **2021**, 13, 29325-29339	9.5	8
19	Synthesis and properties of a P3HT-based ABA triblock copolymer containing a perfluoropolyether central segment. *Synthetic Metals*, **2019**, 252, 127-134	3.6	6
18	In Depth Analysis of Photovoltaic Performance of Chlorophyll Derivative-Based "All Solid-State" Dye-Sensitized Solar Cells. *Molecules*, **2020**, 25,	4.8	6
17	Nanoparticles for Photodynamic Therapy Applications. *Fundamental Biomedical Technologies*, **2011**, 511-565		6
16	Supramolecular Self-Assembly of DNA with a Cationic Polythiophene: From Polyplexes to Fibers. *ChemNanoMat*, **2019**, 5, 703-709	3.5	6
15	Molecular complexes and main-chain organometallic polymers based on Janus bis(carbenes) fused to metalloporphyrins. *Dalton Transactions*, **2020**, 49, 7005-7014	4.3	5
14	Synthesis, crystallographic and electrochemical study of ethynyl[2.2]paracyclophane-derived cobalt metallatetrahedranes. *Journal of Organometallic Chemistry*, **2012**, 699, 56-66	2.3	4
13	Polythiophenes with Cationic Phosphonium Groups as Vectors for Imaging, siRNA Delivery, and Photodynamic Therapy. *Nanomaterials*, **2020**, 10,	5.4	4
12	Silole Amino Acids with Aggregation-Induced Emission Features Synthesized by Hydrosilylation. *European Journal of Organic Chemistry*, **2019**, 2019, 2275-2281	3.2	3
11	Supramolecular Assemblies of DNA/Conjugated Polymers. *Materials and Energy*, **2018**, 139-157		3
10	Phosphonium-based polythiophene conjugated polyelectrolytes with different surfactant counterions: thermal properties, self-assembly and photovoltaic performances. *Polymer International*, **2021**, 70, 457-466	3.3	3
9	Design of metalloporphyrins fused to imidazolium rings for binding DNA G-quadruplexes. *Journal of Porphyrins and Phthalocyanines*, **2020**, 24, 340-349	1.8	2
8	Synthesis, Self-Assembly, and Nucleic Acid Recognition of an Acylhydrazone-Conjugated Cationic Tetraphenylethene Ligand. *European Journal of Organic Chemistry*, **2021**, 2021, 1123-1135	3.2	2
7	14 Peripherally Metalated Porphyrin Derivatives: Synthetic Approaches and Properties. *Handbook of Porphyrin Science*, **2010**, 429-483	0.3	1
6	Functionalization of P3HT-Based Hybrid Materials for Photovoltaic Applications **2018**, 107-177		0

5	Binding Mode Multiplicity and Multiscale Chirality in the Supramolecular Assembly of DNA and a Conjugated Polymer. *ChemPhysChem*, **2020**, 21, 2543-2552	3.2	0
4	Synthesis, characterization and use of a POSS-arylamine based push–pull octamer. *New Journal of Chemistry*, **2021**, 45, 6186-6191	3.6	0
3	Molecular Systems Combining Porphyrinoids and N-Heterocyclic Carbenes. *European Journal of Inorganic Chemistry*, **2021**, 2021, 776-791	2.3	0
2	In vitro toxicity and photodynamic properties of porphyrinoids bearing imidazolium salts and N-heterocyclic carbene gold(I) complexes. *Comptes Rendus Chimie*, **2021**, 24, 1-17	2.7	0
1	Synthesis, photophysical and electropolymerization properties of thiophene-substituted 2,3-diphenylbuta-1,3-dienes. *New Journal of Chemistry*, **2020**, 44, 12556-12567	3.6	