Jean-Olivier Durand

List of Publications by Year in Descending Order

68 papers	6,229 citations	34 h-index	73 g-index
73 ext. papers	6,763 ext. citations	7.6 avg, IF	5.38 L-index

#	Paper	IF	Citations
68	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
67	Mesoporous silica adsorbents modified with amino polycarboxylate ligands - functional characteristics, health and environmental effects. *Journal of Hazardous Materials*, **2021**, 406, 124698	12.8	5
66	Controlled synthesis and osmotic properties of ionosilica nanoparticles. *Microporous and Mesoporous Materials*, **2021**, 310, 110644	5.3	2
65	Synthesis of triethoxysilylated cyclen derivatives, grafting on magnetic mesoporous silica nanoparticles and application to metal ion adsorption.. *RSC Advances*, **2021**, 11, 10777-10784	3.7	2
64	Persistent luminescence materials for deep photodynamic therapy. *Nanophotonics*, **2021**, 10, 2999-3029	6.3	4
63	Nanodiamonds for bioapplications, recent developments. *Journal of Materials Chemistry B*, **2020**, 8, 10878-10896	7.3	9
62	The mannose 6-phosphate receptor targeted with porphyrin-based periodic mesoporous organosilica nanoparticles for rhabdomyosarcoma theranostics. *Biomaterials Science*, **2020**, 8, 3678-3684	7.4	4
61	Periodic Mesoporous Organosilica Nanoparticles with BOC Group, towards HIFU Responsive Agents. *Molecules*, **2020**, 25,	4.8	6
60	Preparation and Characterization of Novel Mixed Periodic Mesoporous Organosilica Nanoparticles. *Materials*, **2020**, 13,	3.5	4
59	Polythiophenes with Cationic Phosphonium Groups as Vectors for Imaging, siRNA Delivery, and Photodynamic Therapy. *Nanomaterials*, **2020**, 10,	5.4	4
58	Synthesis of Cyclen-Functionalized Ethenylene-Based Periodic Mesoporous Organosilica Nanoparticles and Metal-Ion Adsorption Studies. *ChemNanoMat*, **2020**, 6, 1625-1634	3.5	3
57	Phthalocyanine-based mesoporous organosilica nanoparticles: NIR photodynamic efficiency and siRNA photochemical internalization. *Chemical Communications*, **2019**, 55, 11619-11622	5.8	11
56	Magnetic nanoarchitectures for cancer sensing, imaging and therapy. *Journal of Materials Chemistry B*, **2019**, 7, 9-23	7.3	49
55	Large Pore Mesoporous Silica and Organosilica Nanoparticles for Pepstatin A Delivery in Breast Cancer Cells. *Molecules*, **2019**, 24,	4.8	14
54	Degradable Hollow Organosilica Nanoparticles for Antibacterial Activity. *ACS Omega*, **2019**, 4, 1479-1486	3.9	3
53	Porphyrin-based bridged silsesquioxane nanoparticles for targeted two-photon photodynamic therapy of zebrafish xenografted with human tumor. *Cancer Reports*, **2019**, 2, e1186	1.5	4
52	Efficient Photodynamic Therapy of Prostate Cancer Cells through an Improved Targeting of the Cation-Independent Mannose 6-Phosphate Receptor. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	9

51	Organosilica Nanoparticles for Gemcitabine Monophosphate Delivery in Cancer Cells. *ChemNanoMat*, **2019**, 5, 888-896	3.5	7
50	Amino-acid functionalized porous silicon nanoparticles for the delivery of pDNA.. *RSC Advances*, **2019**, 9, 31895-31899	3.7	11
49	Porous Porphyrin-Based Organosilica Nanoparticles for NIR Two-Photon Photodynamic Therapy and Gene Delivery in Zebrafish. *Advanced Functional Materials*, **2018**, 28, 1800235	15.6	41
48	Two-Photon-Excited Silica and Organosilica Nanoparticles for Spatiotemporal Cancer Treatment. *Advanced Healthcare Materials*, **2018**, 7, e1701248	10.1	30
47	Gemcitabine Delivery and Photodynamic Therapy in Cancer Cells via Porphyrin-Ethylene-Based Periodic Mesoporous Organosilica Nanoparticles. *ChemNanoMat*, **2018**, 4, 46-51	3.5	23
46	Murine and Non-Human Primate Dendritic Cell Targeting Nanoparticles for in Vivo Generation of Regulatory T-Cells. *ACS Nano*, **2018**, 12, 6637-6647	16.7	26
45	Mesoporous silica nanoparticles in recent photodynamic therapy applications. *Photochemical and Photobiological Sciences*, **2018**, 17, 1651-1674	4.2	30
44	Manipulating human dendritic cell phenotype and function with targeted porous silicon nanoparticles. *Biomaterials*, **2018**, 155, 92-102	15.6	24
43	Mesoporous Silica-Based Nanoparticles for Light-Actuated Biomedical Applications via Near-Infrared Two-Photon Absorption. *The Enzymes*, **2018**, 43, 67-99	2.3	3
42	Synthesis and Characterization of Core-Shell Magnetic Mesoporous Silica and Organosilica Nanostructures. *MRS Advances*, **2017**, 2, 1037-1045	0.7	15
41	Dual-Action Cancer Therapy with Targeted Porous Silicon Nanovectors. *Small*, **2017**, 13, 1701201	11	24
40	Porphyrin- or phthalocyanine-bridged silsesquioxane nanoparticles for two-photon photodynamic therapy or photoacoustic imaging. *Nanoscale*, **2017**, 9, 16622-16626	7.7	28
39	Stealth Biocompatible Si-Based Nanoparticles for Biomedical Applications. *Nanomaterials*, **2017**, 7,	5.4	5
38	Biocompatible Periodic Mesoporous Ionosilica Nanoparticles with Ammonium Walls: Application to Drug Delivery. *ACS Applied Materials & Interfaces*, **2017**, 9, 32018-32025	9.5	15
37	Degradable gold core–mesoporous organosilica shell nanoparticles for two-photon imaging and gemcitabine monophosphate delivery. *Molecular Systems Design and Engineering*, **2017**, 2, 380-383	4.6	6
36	Fluorescent periodic mesoporous organosilica nanoparticles dual-functionalized via click chemistry for two-photon photodynamic therapy in cells. *Journal of Materials Chemistry B*, **2016**, 4, 5567-5574	7.3	35
35	Organosilica hybrid nanomaterials with a high organic content: syntheses and applications of silsesquioxanes. *Nanoscale*, **2016**, 8, 19945-19972	7.7	113
34	Ruthenium(ii) complex-photosensitized multifunctionalized porous silicon nanoparticles for two-photon near-infrared light responsive imaging and photodynamic cancer therapy. *Journal of Materials Chemistry B*, **2016**, 4, 1337-1342	7.3	49

33	Multifunctional Gold-Mesoporous Silica Nanocomposites for Enhanced Two-Photon Imaging and Therapy of Cancer Cells. *Frontiers in Molecular Biosciences*, **2016**, 3, 1	5.6	45
32	Mesoporous silicon nanoparticles for targeted two-photon theranostics of prostate cancer. *Journal of Materials Chemistry B*, **2016**, 4, 3639-3642	7.3	32
31	Nanodiamond-PMO for two-photon PDT and drug delivery. *Journal of Materials Chemistry B*, **2016**, 4, 5803-5808	7.3	41
30	Targeted Treatment of Cancer with Nanotherapeutics Based on Mesoporous Silica Nanoparticles. *ChemPlusChem*, **2015**, 80, 26-36	2.8	47
29	Synthesis of disulfide-based biodegradable bridged silsesquioxane nanoparticles for two-photon imaging and therapy of cancer cells. *Chemical Communications*, **2015**, 51, 12324-7	5.8	54
28	Disulfide-gated mesoporous silica nanoparticles designed for two-photon-triggered drug release and imaging. *Journal of Materials Chemistry B*, **2015**, 3, 6456-6461	7.3	43
27	Porphyrin-functionalized mesoporous organosilica nanoparticles for two-photon imaging of cancer cells and drug delivery. *Journal of Materials Chemistry B*, **2015**, 3, 3681-3684	7.3	54
26	Influence of the synthetic method on the properties of two-photon-sensitive mesoporous silica nanoparticles. *Journal of Materials Chemistry B*, **2015**, 3, 5182-5188	7.3	19
25	Syntheses and applications of periodic mesoporous organosilica nanoparticles. *Nanoscale*, **2015**, 7, 20318-34	7.7	193
24	Porous Silicon Nanodiscs for Targeted Drug Delivery. *Advanced Functional Materials*, **2015**, 25, 1137-1145	15.6	76
23	Enhanced two-photon fluorescence imaging and therapy of cancer cells via Gold@bridged silsesquioxane nanoparticles. *Small*, **2015**, 11, 295-9	11	57
22	Mannose-6-phosphate receptor: a target for theranostics of prostate cancer. *Angewandte Chemie - International Edition*, **2015**, 54, 5952-6	16.4	43
21	One-pot construction of multipodal hybrid periodic mesoporous organosilica nanoparticles with crystal-like architectures. *Advanced Materials*, **2015**, 27, 145-9	24	67
20	Large pore mesoporous silica nanomaterials for application in delivery of biomolecules. *Nanoscale*, **2015**, 7, 2199-209	7.7	163
19	Photo-redox activated drug delivery systems operating under two photon excitation in the near-IR. *Nanoscale*, **2014**, 6, 4652-8	7.7	37
18	Two-photon-triggered drug delivery via fluorescent nanovalves. *Small*, **2014**, 10, 1752-5	11	101
17	Small sized mesoporous silica nanoparticles functionalized with mannose for retinoblastoma cell imaging. *RSC Advances*, **2014**, 4, 37171	3.7	10
16	Two-photon excitation of porphyrin-functionalized porous silicon nanoparticles for photodynamic therapy. *Advanced Materials*, **2014**, 26, 7643-8	24	115

15	Biodegradable ethylene-bis(propyl)disulfide-based periodic mesoporous organosilica nanorods and nanospheres for efficient in-vitro drug delivery. *Advanced Materials*, **2014**, 26, 6174-80	24	191
14	Mixed Periodic Mesoporous Organosilica Nanoparticles and Core–Shell Systems, Application to in Vitro Two-Photon Imaging, Therapy, and Drug Delivery. *Chemistry of Materials*, **2014**, 26, 7214-7220	9.6	70
13	Antibody-functionalized porous silicon nanoparticles for vectorization of hydrophobic drugs. *Advanced Healthcare Materials*, **2013**, 2, 718-27	10.1	98
12	Anionic porphyrin-grafted porous silicon nanoparticles for photodynamic therapy. *Chemical Communications*, **2013**, 49, 4202-4	5.8	60
11	Two-Photon-Triggered Drug Delivery in Cancer Cells Using Nanoimpellers. *Angewandte Chemie*, **2013**, 125, 14058-14062	3.6	42
10	Mannose-Functionalized Mesoporous Silica Nanoparticles for Efficient Two-Photon Photodynamic Therapy of Solid Tumors. *Angewandte Chemie*, **2011**, 123, 11627-11631	3.6	62
9	Mannose-functionalized mesoporous silica nanoparticles for efficient two-photon photodynamic therapy of solid tumors. *Angewandte Chemie - International Edition*, **2011**, 50, 11425-9	16.4	209
8	Facile route to functionalized mesoporous silica nanoparticles by click chemistry. *Journal of Materials Chemistry*, **2011**, 21, 13476		45
7	Nanoparticles for Photodynamic Therapy Applications. *Fundamental Biomedical Technologies*, **2011**, 511-565		6
6	Folic acid-targeted mesoporous silica nanoparticles for two-photon fluorescence. *Journal of Biomedical Nanotechnology*, **2010**, 6, 176-80	4	41
5	Silica-based nanoparticles for photodynamic therapy applications. *Nanoscale*, **2010**, 2, 1083-95	7.7	221
4	Silicalites and Mesoporous Silica Nanoparticles for photodynamic therapy. *International Journal of Pharmaceutics*, **2010**, 402, 221-30	6.5	76
3	Mannose-targeted mesoporous silica nanoparticles for photodynamic therapy. *Chemical Communications*, **2009**, 1475-7	5.8	200
2	Synthesis and Characterization of Fluorescently Doped Mesoporous Nanoparticles for Two-Photon Excitation. *Chemistry of Materials*, **2008**, 20, 2174-2183	9.6	45
1	Modelling one- and two-dimensional solid-state NMR spectra. *Magnetic Resonance in Chemistry*, **2002**, 40, 70-76	2.1	3040