

Jean-Olivier Durand

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Modelling one- and two-dimensional solid-state NMR spectra. <i>Magnetic Resonance in Chemistry</i> , 2002 , 40, 70-76	2.1	3040
67	Silica-based nanoparticles for photodynamic therapy applications. <i>Nanoscale</i> , 2010 , 2, 1083-95	7.7	221
66	Mannose-functionalized mesoporous silica nanoparticles for efficient two-photon photodynamic therapy of solid tumors. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 11425-9	16.4	209
65	Mannose-targeted mesoporous silica nanoparticles for photodynamic therapy. <i>Chemical Communications</i> , 2009 , 1475-7	5.8	200
64	Syntheses and applications of periodic mesoporous organosilica nanoparticles. <i>Nanoscale</i> , 2015 , 7, 20318-34	7.4	193
63	Biodegradable ethylene-bis(propyl)disulfide-based periodic mesoporous organosilica nanorods and nanospheres for efficient in-vitro drug delivery. <i>Advanced Materials</i> , 2014 , 26, 6174-80	24	191
62	Large pore mesoporous silica nanomaterials for application in delivery of biomolecules. <i>Nanoscale</i> , 2015 , 7, 2199-209	7.7	163
61	Two-photon excitation of porphyrin-functionalized porous silicon nanoparticles for photodynamic therapy. <i>Advanced Materials</i> , 2014 , 26, 7643-8	24	115
60	Organosilica hybrid nanomaterials with a high organic content: syntheses and applications of silsesquioxanes. <i>Nanoscale</i> , 2016 , 8, 19945-19972	7.7	113
59	Two-photon-triggered drug delivery via fluorescent nanovalves. <i>Small</i> , 2014 , 10, 1752-5	11	101
58	Antibody-functionalized porous silicon nanoparticles for vectorization of hydrophobic drugs. <i>Advanced Healthcare Materials</i> , 2013 , 2, 718-27	10.1	98
57	Porous Silicon Nanodiscs for Targeted Drug Delivery. <i>Advanced Functional Materials</i> , 2015 , 25, 1137-1145	5.6	76
56	Silicalites and Mesoporous Silica Nanoparticles for photodynamic therapy. <i>International Journal of Pharmaceutics</i> , 2010 , 402, 221-30	6.5	76
55	Mixed Periodic Mesoporous Organosilica Nanoparticles and Core-Shell Systems, Application to in Vitro Two-Photon Imaging, Therapy, and Drug Delivery. <i>Chemistry of Materials</i> , 2014 , 26, 7214-7220	9.6	70
54	One-pot construction of multipodal hybrid periodic mesoporous organosilica nanoparticles with crystal-like architectures. <i>Advanced Materials</i> , 2015 , 27, 145-9	24	67
53	Mannose-Functionalized Mesoporous Silica Nanoparticles for Efficient Two-Photon Photodynamic Therapy of Solid Tumors. <i>Angewandte Chemie</i> , 2011 , 123, 11627-11631	3.6	62
52	Anionic porphyrin-grafted porous silicon nanoparticles for photodynamic therapy. <i>Chemical Communications</i> , 2013 , 49, 4202-4	5.8	60

51	Enhanced two-photon fluorescence imaging and therapy of cancer cells via Gold@bridged silsesquioxane nanoparticles. <i>Small</i> , 2015 , 11, 295-9	11	57
50	Synthesis of disulfide-based biodegradable bridged silsesquioxane nanoparticles for two-photon imaging and therapy of cancer cells. <i>Chemical Communications</i> , 2015 , 51, 12324-7	5.8	54
49	Porphyrin-functionalized mesoporous organosilica nanoparticles for two-photon imaging of cancer cells and drug delivery. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 3681-3684	7.3	54
48	Magnetic nanoarchitectures for cancer sensing, imaging and therapy. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 9-23	7.3	49
47	Ruthenium(ii) complex-photosensitized multifunctionalized porous silicon nanoparticles for two-photon near-infrared light responsive imaging and photodynamic cancer therapy. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 1337-1342	7.3	49
46	Targeted Treatment of Cancer with Nanotherapeutics Based on Mesoporous Silica Nanoparticles. <i>ChemPlusChem</i> , 2015 , 80, 26-36	2.8	47
45	Facile route to functionalized mesoporous silica nanoparticles by click chemistry. <i>Journal of Materials Chemistry</i> , 2011 , 21, 13476		45
44	Synthesis and Characterization of Fluorescently Doped Mesoporous Nanoparticles for Two-Photon Excitation. <i>Chemistry of Materials</i> , 2008 , 20, 2174-2183	9.6	45
43	Multifunctional Gold-Mesoporous Silica Nanocomposites for Enhanced Two-Photon Imaging and Therapy of Cancer Cells. <i>Frontiers in Molecular Biosciences</i> , 2016 , 3, 1	5.6	45
42	Disulfide-gated mesoporous silica nanoparticles designed for two-photon-triggered drug release and imaging. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 6456-6461	7.3	43
41	Mannose-6-phosphate receptor: a target for theranostics of prostate cancer. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 5952-6	16.4	43
40	Two-Photon-Triggered Drug Delivery in Cancer Cells Using Nanoimpellers. <i>Angewandte Chemie</i> , 2013 , 125, 14058-14062	3.6	42
39	Porous Porphyrin-Based Organosilica Nanoparticles for NIR Two-Photon Photodynamic Therapy and Gene Delivery in Zebrafish. <i>Advanced Functional Materials</i> , 2018 , 28, 1800235	15.6	41
38	Folic acid-targeted mesoporous silica nanoparticles for two-photon fluorescence. <i>Journal of Biomedical Nanotechnology</i> , 2010 , 6, 176-80	4	41
37	Nanodiamond-PMO for two-photon PDT and drug delivery. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 5803-5808	7.3	41
36	Photo-redox activated drug delivery systems operating under two photon excitation in the near-IR. <i>Nanoscale</i> , 2014 , 6, 4652-8	7.7	37
35	Fluorescent periodic mesoporous organosilica nanoparticles dual-functionalized via click chemistry for two-photon photodynamic therapy in cells. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 5567-5574	7.3	35
34	Mesoporous silicon nanoparticles for targeted two-photon theranostics of prostate cancer. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 3639-3642	7.3	32

33	Two-Photon-Excited Silica and Organosilica Nanoparticles for Spatiotemporal Cancer Treatment. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1701248	10.1	30
32	Mesoporous silica nanoparticles in recent photodynamic therapy applications. <i>Photochemical and Photobiological Sciences</i> , 2018 , 17, 1651-1674	4.2	30
31	Porphyrin- or phthalocyanine-bridged silsesquioxane nanoparticles for two-photon photodynamic therapy or photoacoustic imaging. <i>Nanoscale</i> , 2017 , 9, 16622-16626	7.7	28
30	Murine and Non-Human Primate Dendritic Cell Targeting Nanoparticles for in Vivo Generation of Regulatory T-Cells. <i>ACS Nano</i> , 2018 , 12, 6637-6647	16.7	26
29	Dual-Action Cancer Therapy with Targeted Porous Silicon Nanovectors. <i>Small</i> , 2017 , 13, 1701201	11	24
28	Manipulating human dendritic cell phenotype and function with targeted porous silicon nanoparticles. <i>Biomaterials</i> , 2018 , 155, 92-102	15.6	24
27	Gemcitabine Delivery and Photodynamic Therapy in Cancer Cells via Porphyrin-Ethylene-Based Periodic Mesoporous Organosilica Nanoparticles. <i>ChemNanoMat</i> , 2018 , 4, 46-51	3.5	23
26	Influence of the synthetic method on the properties of two-photon-sensitive mesoporous silica nanoparticles. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 5182-5188	7.3	19
25	Synthesis and Characterization of Core-Shell Magnetic Mesoporous Silica and Organosilica Nanostructures. <i>MRS Advances</i> , 2017 , 2, 1037-1045	0.7	15
24	Biocompatible Periodic Mesoporous Ionosilica Nanoparticles with Ammonium Walls: Application to Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 32018-32025	9.5	15
23	Large Pore Mesoporous Silica and Organosilica Nanoparticles for Pepstatin A Delivery in Breast Cancer Cells. <i>Molecules</i> , 2019 , 24,	4.8	14
22	Phthalocyanine-based mesoporous organosilica nanoparticles: NIR photodynamic efficiency and siRNA photochemical internalization. <i>Chemical Communications</i> , 2019 , 55, 11619-11622	5.8	11
21	Amino-acid functionalized porous silicon nanoparticles for the delivery of pDNA.. <i>RSC Advances</i> , 2019 , 9, 31895-31899	3.7	11
20	Small sized mesoporous silica nanoparticles functionalized with mannose for retinoblastoma cell imaging. <i>RSC Advances</i> , 2014 , 4, 37171	3.7	10
19	Efficient Photodynamic Therapy of Prostate Cancer Cells through an Improved Targeting of the Cation-Independent Mannose 6-Phosphate Receptor. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	9
18	Nanodiamonds for bioapplications, recent developments. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 10878-10896	7.3	9
17	Periodic Mesoporous Ionosilica Nanoparticles for Green Light Photodynamic Therapy and Photochemical Internalization of siRNA. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 29325-29339	9.5	8
16	Organosilica Nanoparticles for Gemcitabine Monophosphate Delivery in Cancer Cells. <i>ChemNanoMat</i> , 2019 , 5, 888-896	3.5	7

15	Periodic Mesoporous Organosilica Nanoparticles with BOC Group, towards HIFU Responsive Agents. <i>Molecules</i> , 2020 , 25,	4.8	6
14	Degradable gold core/mesoporous organosilica shell nanoparticles for two-photon imaging and gemcitabine monophosphate delivery. <i>Molecular Systems Design and Engineering</i> , 2017 , 2, 380-383	4.6	6
13	Nanoparticles for Photodynamic Therapy Applications. <i>Fundamental Biomedical Technologies</i> , 2011 , 511-565		6
12	Stealth Biocompatible Si-Based Nanoparticles for Biomedical Applications. <i>Nanomaterials</i> , 2017 , 7,	5.4	5
11	Mesoporous silica adsorbents modified with amino polycarboxylate ligands - functional characteristics, health and environmental effects. <i>Journal of Hazardous Materials</i> , 2021 , 406, 124698	12.8	5
10	Porphyrim-based bridged silsesquioxane nanoparticles for targeted two-photon photodynamic therapy of zebrafish xenografted with human tumor. <i>Cancer Reports</i> , 2019 , 2, e1186	1.5	4
9	The mannose 6-phosphate receptor targeted with porphyrin-based periodic mesoporous organosilica nanoparticles for rhabdomyosarcoma theranostics. <i>Biomaterials Science</i> , 2020 , 8, 3678-3684	7.4	4
8	Preparation and Characterization of Novel Mixed Periodic Mesoporous Organosilica Nanoparticles. <i>Materials</i> , 2020 , 13,	3.5	4
7	Polythiophenes with Cationic Phosphonium Groups as Vectors for Imaging, siRNA Delivery, and Photodynamic Therapy. <i>Nanomaterials</i> , 2020 , 10,	5.4	4
6	Persistent luminescence materials for deep photodynamic therapy. <i>Nanophotonics</i> , 2021 , 10, 2999-3029	6.3	4
5	Degradable Hollow Organosilica Nanoparticles for Antibacterial Activity. <i>ACS Omega</i> , 2019 , 4, 1479-1486	5.9	3
4	Synthesis of Cyclen-Functionalized Ethenylene-Based Periodic Mesoporous Organosilica Nanoparticles and Metal-Ion Adsorption Studies. <i>ChemNanoMat</i> , 2020 , 6, 1625-1634	3.5	3
3	Mesoporous Silica-Based Nanoparticles for Light-Actuated Biomedical Applications via Near-Infrared Two-Photon Absorption. <i>The Enzymes</i> , 2018 , 43, 67-99	2.3	3
2	Controlled synthesis and osmotic properties of ionosilica nanoparticles. <i>Microporous and Mesoporous Materials</i> , 2021 , 310, 110644	5.3	2
1	Synthesis of triethoxysilylated cyclen derivatives, grafting on magnetic mesoporous silica nanoparticles and application to metal ion adsorption.. <i>RSC Advances</i> , 2021 , 11, 10777-10784	3.7	2