Jonas G Croissant

List of Publications by Year
in descending order

51	4,378	101384 36	182168 51
papers	citations	h-index	g-index

57	57	57	5958
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Degradability and Clearance of Silicon, Organosilica, Silsesquioxane, Silica Mixed Oxide, and Mesoporous Silica Nanoparticles. Advanced Materials, 2017, 29, 1604634.	11.1	565
2	Mesoporous Silica and Organosilica Nanoparticles: Physical Chemistry, Biosafety, Delivery Strategies, and Biomedical Applications. Advanced Healthcare Materials, 2018, 7, 1700831.	3.9	415
3	Syntheses and applications of periodic mesoporous organosilica nanoparticles. Nanoscale, 2015, 7, 20318-20334.	2.8	232
4	Biodegradable Ethyleneâ€Bis(Propyl)Disulfideâ€Based Periodic Mesoporous Organosilica Nanorods and Nanospheres for Efficient Inâ€Vitro Drug Delivery. Advanced Materials, 2014, 26, 6174-6180.	11.1	212
5	Synthetic amorphous silica nanoparticles: toxicity, biomedical and environmental implications. Nature Reviews Materials, 2020, 5, 886-909.	23.3	212
6	Nanovalve-Controlled Cargo Release Activated by Plasmonic Heating. Journal of the American Chemical Society, 2012, 134, 7628-7631.	6.6	211
7	Establishing the effects of mesoporous silica nanoparticle properties on in vivo disposition using imaging-based pharmacokinetics. Nature Communications, 2018, 9, 4551.	5.8	189
8	Protein-gold clusters-capped mesoporous silica nanoparticles for high drug loading, autonomous gemcitabine/doxorubicin co-delivery, and in-vivo tumor imaging. Journal of Controlled Release, 2016, 229, 183-191.	4.8	149
9	Organosilica hybrid nanomaterials with a high organic content: syntheses and applications of silsesquioxanes. Nanoscale, 2016, 8, 19945-19972.	2.8	136
10	Twoâ€Photonâ€Triggered Drug Delivery via Fluorescent Nanovalves. Small, 2014, 10, 1752-1755.	5.2	106
11	Chick chorioallantoic membrane assay as an in vivo model to study the effect of nanoparticle-based anticancer drugs in ovarian cancer. Scientific Reports, 2018, 8, 8524.	1.6	101
12	SupraCells: Living Mammalian Cells Protected within Functional Modular Nanoparticleâ€Based Exoskeletons. Advanced Materials, 2019, 31, e1900545.	11.1	96
13	Twoâ€Photonâ€Triggered Drug Delivery in Cancer Cells Using Nanoimpellers. Angewandte Chemie - International Edition, 2013, 52, 13813-13817.	7.2	94
14	Metalâ€“Organic Framework Nanoparticle-Assisted Cryopreservation of Red Blood Cells. Journal of the American Chemical Society, 2019, 141, 7789-7796.	6.6	82
15	Oneâ€Pot Construction of Multipodal Hybrid Periodic Mesoporous Organosilica Nanoparticles with Crystalâ€Like Architectures. Advanced Materials, 2015, 27, 145-149.	11.1	81
16	Biodegradable Oxamideâ€Phenyleneâ€Based Mesoporous Organosilica Nanoparticles with Unprecedented Drug Payloads for Delivery in Cells. Chemistry - A European Journal, 2016, 22, 14806-14811.	1.7	81
17	Biodegradable Magnetic Silica@Iron Oxide Nanovectors with Ultra-Large Mesopores for High Protein Loading, Magnetothermal Release, and Delivery. Journal of Controlled Release, 2017, 259, 187-194.	4.8	81
18	Mixed Periodic Mesoporous Organosilica Nanoparticles and Coreâ€“Shell Systems, Application to in Vitro Two-Photon Imaging, Therapy, and Drug Delivery. Chemistry of Materials, 2014, 26, 7214-7220.	3.2	77

#	Article	IF	Citations
19	Multifunctional Gold-Mesoporous Silica Nanocomposites for Enhanced Two-Photon Imaging and Therapy of Cancer Cells. Frontiers in Molecular Biosciences, 2016, 3, 1.	1.6	68
20	Enzymatically degradable hybrid organicâ€“inorganic bridged silsesquioxane nanoparticles for in vitro imaging. Nanoscale, 2015, 7, 15046-15050.	2.8	67
21	Biomimetic Rebuilding of Multifunctional Red Blood Cells: Modular Design Using Functional Components. ACS Nano, 2020, 14, 7847-7859.	7.3	67
22	Ultra-thin enzymatic liquid membrane for CO2 separation and capture. Nature Communications, 2018, 9, 990.	5.8	62
23	Engineering Hydrophobic Organosilica Nanoparticle-Doped Nanofibers for Enhanced and Fouling Resistant Membrane Distillation. ACS Applied Materials & Interfaces, 2017, 9, 1737-1745.	4.0	61
24	Electrostatic Assembly/Disassembly of Nanoscaled Colloidosomes for Lightâ€Triggered Cargo Release. Angewandte Chemie - International Edition, 2015, 54, 6804-6808.	7.2	60
25	Enhanced Two-Photon Fluorescence Imaging and Therapy of Cancer Cells via Gold@Bridged Silsesquioxane Nanoparticles. Small, 2015, 11, 295-299.	5.2	59
26	Synthesis of disulfide-based biodegradable bridged silsesquioxane nanoparticles for two-photon imaging and therapy of cancer cells. Chemical Communications, 2015, 51, 12324-12327.	2.2	58
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.	2.9	55
28	Porous Porphyrinâ€Based Organosilica Nanoparticles for NIR Twoâ€Photon Photodynamic Therapy and Gene Delivery in Zebrafish. Advanced Functional Materials, 2018, 28, 1800235.	7.8	50
29	Disulfide-gated mesoporous silica nanoparticles designed for two-photon-triggered drug release and imaging. Journal of Materials Chemistry B, 2015, 3, 6456-6461.	2.9	49
30	Nanodiamondâ€“PMO for two-photon PDT and drug delivery. Journal of Materials Chemistry B, 2016, 4, 5803-5808.	2.9	49
31	Modular Metalâ€“Organic Polyhedra Superassembly: From Molecularâ€Level Design to Targeted Drug Delivery. Advanced Materials, 2019, 31, e1806774.	11.1	48
32	Periodic Mesoporous Organosilica Nanoparticles with Controlled Morphologies and High Drug/Dye Loadings for Multicargo Delivery in Cancer Cells. Chemistry - A European Journal, 2016, 22, 9607-9615.	1.7	46
33	Photoresponsive Bridged Silsesquioxane Nanoparticles with Tunable Morphology for Light-Triggered Plasmid DNA Delivery. ACS Applied Materials & Interfaces, 2015, 7, 24993-24997.	4.0	42
34	Versatile heavy metals removal via magnetic mesoporous nanocontainers. RSC Advances, 2014, 4, 24838-24841.	1.7	38
35	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.	2.9	37
36	Twoâ€Photonâ€Excited Silica and Organosilica Nanoparticles for Spatiotemporal Cancer Treatment. Advanced Healthcare Materials, 2018, 7, e1701248.	3.9	36

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37	Synthesis and Characterization of Crystalline Structures Based on Phenylboronate Ligands Bound to Alkaline Earth Cations. Inorganic Chemistry, 2011, 50, 7802-7810.	1.9	35
38	Gemcitabine Delivery and Photodynamic Therapy in Cancer Cells via Porphyrinâ€Ethyleneâ€Based Periodic Mesoporous Organosilica Nanoparticles. ChemNanoMat, 2018, 4, 46-51.	1.5	31
39	Colloidal Gold Nanoclusters Spiked Silica Fillers in Mixed Matrix Coatings: Simultaneous Detection and Inhibition of Healthcareâ€Associated Infections. Advanced Healthcare Materials, 2017, 6, 1601135.	3.9	25
40	Biodegradable Silica-Based Nanoparticles: Dissolution Kinetics and Selective Bond Cleavage. The Enzymes, 2018, 43, 181-214.	0.7	25
41	Cellular Internalization and Biocompatibility of Periodic Mesoporous Organosilica Nanoparticles with Tunable Morphologies: From Nanospheres to Nanowires. ChemPlusChem, 2017, 82, 631-637.	1.3	24
42	Thermoresponsive pegylated bubble liposome nanovectors for efficient siRNA delivery via endosomal escape. Nanomedicine, 2017, 12, 1421-1433.	1.7	21
43	Influence of the synthetic method on the properties of two-photon-sensitive mesoporous silica nanoparticles. Journal of Materials Chemistry B, 2015, 3, 5182-5188.	2.9	20
44	Click approaches in solâ€“gel chemistry. Journal of Sol-Gel Science and Technology, 2014, 70, 245.	1.1	13
45	Photocracking Silica: Tuning the Plasmonic Photothermal Degradation of Mesoporous Silica Encapsulating Gold Nanoparticles for Cargo Release. Inorganics, 2019, 7, 72.	1.2	10
46	Engineering of large-pore lipid-coated mesoporous silica nanoparticles for dual cargo delivery to cancer cells. Journal of Sol-Gel Science and Technology, 2019, 89, 78-90.	1.1	7
47	Mesoporous Silica-Based Nanoparticles for Light-Actuated Biomedical Applications via Near-Infrared Two-Photon Absorption. The Enzymes, 2018, 43, 67-99.	0.7	5
48	Abstract LB-9: Light-controllable nano-drug delivery system with deep tissue penetrating ability for cancer therapy with two-photon-triggered nanoimpellers. , 2014, , .		3
49	Frontispiece: Biodegradable Oxamideâ€Phenyleneâ€Based Mesoporous Organosilica Nanoparticles with Unprecedented Drug Payloads for Delivery in Cells. Chemistry - A European Journal, 2016, 22, .	1.7	0
50	Cancer Treatment: Twoâ€Photonâ€Excited Silica and Organosilica Nanoparticles for Spatiotemporal Cancer Treatment (Adv. Healthcare Mater. 7/2018). Advanced Healthcare Materials, 2018, 7, 1870032.	3.9	0
51	Nanoparticle Vaccines for Immunotherapy: From Design to Clinical Trials. AAPS Advances in the Pharmaceutical Sciences Series, 2020, , 177-204.	0.2	0