Frank Alexis

List of Publications by Citations

74 papers	7,586 citations	30 h-index	80 g-index
80 ext. papers	8,327 ext. citations	6.4 avg, IF	6.03 L-index

#	Paper	IF	Citations
74	Factors affecting the clearance and biodistribution of polymeric nanoparticles. *Molecular Pharmaceutics*, **2008**, 5, 505-15	5.6	2561
73	Self-assembled lipid--polymer hybrid nanoparticles: a robust drug delivery platform. *ACS Nano*, **2008**, 2, 1696-702	16.7	721
72	Targeted nanoparticles for cancer therapy. *Nano Today*, **2007**, 2, 14-21	17.9	373
71	Factors affecting the degradation and drug-release mechanism of poly(lactic acid) and poly[(lactic acid)-co-(glycolic acid)]. *Polymer International*, **2005**, 54, 36-46	3.3	323
70	Stimulus responsive nanogels for drug delivery. *Soft Matter*, **2011**, 7, 5908	3.6	289
69	Transepithelial transport of Fc-targeted nanoparticles by the neonatal fc receptor for oral delivery. *Science Translational Medicine*, **2013**, 5, 213ra167	17.5	286
68	Superparamagnetic iron oxide nanoparticle-aptamer bioconjugates for combined prostate cancer imaging and therapy. *ChemMedChem*, **2008**, 3, 1311-5	3.7	261
67	Nanotechnology for Environmental Remediation: Materials and Applications. *Molecules*, **2018**, 23,	4.8	238
66	New frontiers in nanotechnology for cancer treatment. *Urologic Oncology: Seminars and Original Investigations*, **2008**, 26, 74-85	2.8	233
65	Nanoparticle technologies for cancer therapy. *Handbook of Experimental Pharmacology*, **2010**, 55-86	3.2	226
64	Co-delivery of hydrophobic and hydrophilic drugs from nanoparticle-aptamer bioconjugates. *ChemMedChem*, **2007**, 2, 1268-71	3.7	215
63	Polymeric nanoparticle drug delivery technologies for oral delivery applications. *Expert Opinion on Drug Delivery*, **2015**, 12, 1459-73	8	155
62	Engineering of targeted nanoparticles for cancer therapy using internalizing aptamers isolated by cell-uptake selection. *ACS Nano*, **2012**, 6, 696-704	16.7	136
61	Adjuvant-carrying synthetic vaccine particles augment the immune response to encapsulated antigen and exhibit strong local immune activation without inducing systemic cytokine release. *Vaccine*, **2014**, 32, 2882-95	4.1	124
60	HER-2-targeted nanoparticle-affibody bioconjugates for cancer therapy. *ChemMedChem*, **2008**, 3, 1839-43	3.7	119
59	In vitro study of release mechanisms of paclitaxel and rapamycin from drug-incorporated biodegradable stent matrices. *Journal of Controlled Release*, **2004**, 98, 67-74	11.7	111
58	Polymeric nanoparticle technologies for oral drug delivery. *Clinical Gastroenterology and Hepatology*, **2014**, 12, 1605-10	6.9	98

57	Monitoring pH-triggered drug release from radioluminescent nanocapsules with X-ray excited optical luminescence. *ACS Nano*, **2013**, 7, 1178-87	16.7	97
56	Iron-Loaded Magnetic Nanocapsules for pH-Triggered Drug Release and MRI Imaging. *Chemistry of Materials*, **2014**, 26, 2105-2112	9.6	71
55	Magnetic and optical properties of multifunctional core-shell radioluminescence nanoparticles. *Journal of Materials Chemistry*, **2012**, 22, 12802-12809		64
54	Graphene coatings for enhanced hemo-compatibility of nitinol stents. *RSC Advances*, **2013**, 3, 1660-1665	3.7	60
53	Synthesis of brightly PEGylated luminescent magnetic upconversion nanophosphors for deep tissue and dual MRI imaging. *Small*, **2014**, 10, 160-8	11	54
52	Rapid Removal of Poly- and Perfluorinated Alkyl Substances by Poly(ethylenimine)-Functionalized Cellulose Microcrystals at Environmentally Relevant Conditions. *Environmental Science and Technology Letters*, **2018**, 5, 764-769	11	51
51	Multifunctional Polymer-Coated Carbon Nanotubes for Safe Drug Delivery. *Particle and Particle Systems Characterization*, **2013**, 30, 365-373	3.1	50
50	Janus magnetic cellular spheroids for vascular tissue engineering. *Biomaterials*, **2014**, 35, 949-60	15.6	43
49	Some insight into hydrolytic scission mechanisms in bioerodible polyesters. *Journal of Applied Polymer Science*, **2006**, 102, 3111-3117	2.9	43
48	Biological magnetic cellular spheroids as building blocks for tissue engineering. *Acta Biomaterialia*, **2014**, 10, 623-9	10.8	42
47	Nanotechnologies for noninvasive measurement of drug release. *Molecular Pharmaceutics*, **2014**, 11, 24-39	5.6	41
46	Multifunctional yolk-in-shell nanoparticles for pH-triggered drug release and imaging. *Small*, **2014**, 10, 3364-70	11	30
45	Targeted magnetic hyperthermia. *Therapeutic Delivery*, **2011**, 2, 815-38	3.8	30
44	Systemic Administration of Polymer-Coated Nano-Graphene to Deliver Drugs to Glioblastoma. *Particle and Particle Systems Characterization*, **2014**, 31, 886-894	3.1	29
43	Target-Specific Capture of Environmentally Relevant Gaseous Aldehydes and Carboxylic Acids with Functional Nanoparticles. *Chemistry - A European Journal*, **2015**, 21, 14834-42	4.8	27
42	Multilayered polymer-coated carbon nanotubes to deliver dasatinib. *Molecular Pharmaceutics*, **2014**, 11, 276-82	5.6	24
41	Capture of Aldehyde VOCs Using a Series of Amine-Functionalized Cellulose Nanocrystals. *ChemistrySelect*, **2018**, 3, 5495-5501	1.8	22
40	Tunable Properties of Functional Nanoparticles for Efficient Capture of VOCs. *ChemistrySelect*, **2017**, 2, 9889-9894	1.8	21

39	Non-invasive deep tissue imaging of iodine modified poly(caprolactone-co-1-4-oxepan-1,5-dione) using X-ray. *Acta Biomaterialia*, **2015**, 20, 94-103	10.8	17
38	Periodic mesoporous organosilica nanomaterials for rapid capture of VOCs. *Chemical Communications*, **2020**, 56, 607-610	5.8	17
37	Poly(amine) modified kaolinite clay for VOC capture. *Chemosphere*, **2018**, 213, 19-24	8.4	17
36	Polymer-Coated Radioluminescent Nanoparticles for Quantitative Imaging of Drug Delivery. *Advanced Functional Materials*, **2014**, 24, 5815-5823	15.6	16
35	Graphene coatings for biomedical implants. *Journal of Visualized Experiments*, **2013**, e50276	1.6	15
34	Recent Advances in Polyesters for Biomedical Imaging. *Advanced Healthcare Materials*, **2018**, 7, e1800798	10.1	15
33	Accelerated Iron Oxide Nanoparticle Degradation Mediated by Polyester Encapsulation within Cellular Spheroids. *Advanced Functional Materials*, **2014**, 24, 800-807	15.6	14
32	A Survey of VOC Emissions from Rendering Plants. *Aerosol and Air Quality Research*, **2017**, 17, 209-217	4.6	14
31	EFFECTS OF POLYMERIC NANOPARTICLE SURFACE PROPERTIES ON INTERACTION WITH BRAIN TUMOR ENVIRONMENT. *Nano LIFE*, **2013**, 3, 1343003	0.9	13
30	Lycopene used as Anti-inflammatory Nanodrug for the Treatment of Rheumathoid Arthritis: Animal assay, Pharmacokinetics, ABC Transporter and Tissue Deposition. *Colloids and Surfaces B: Biointerfaces*, **2020**, 188, 110814	6	12
29	Bright X-ray and up-conversion nanophosphors annealed using encapsulated sintering agents for bioimaging applications. *Journal of Materials Chemistry B*, **2017**, 5, 5412-5424	7.3	11
28	Nano-polypharmacy to treat tumors: coencapsulation of drug combinations using nanoparticle technology. *Molecular Therapy*, **2014**, 22, 1239-1240	11.7	11
27	Iron Oxide Nanoparticles Stimulates Extra-Cellular Matrix Production in Cellular Spheroids. *Bioengineering*, **2017**, 4,	5.3	11
26	Persistent organic pollutants: The trade-off between potential risks and sustainable remediation methods. *Journal of Environmental Management*, **2021**, 300, 113737	7.9	11
25	Molecular and Cellular Risk Assessment of Healthy Human Cells and Cancer Human Cells Exposed to Nanoparticles. *International Journal of Molecular Sciences*, **2019**, 21,	6.3	10
24	Oxime functionalization strategy for iodinated poly(epsilon-caprolactone) X-ray opaque materials. *Journal of Polymer Science Part A*, **2015**, 53, 2421-2430	2.5	10
23	Cellulose particles capture aldehyde VOC pollutants.. *RSC Advances*, **2020**, 10, 7967-7975	3.7	9
22	Functionalized nanoparticles containing MKP-1 agonists reduce periodontal bone loss. *Journal of Periodontology*, **2019**, 90, 894-902	4.6	8

21	Degradation of pesticides using amine-functionalized cellulose nanocrystals.. *RSC Advances*, **2020**, 10, 44312-44322	3.7	8
20	Natural Cellulose Fibers for Surgical Suture Applications. *Polymers*, **2020**, 12,	4.5	8
19	Synthesis and conjugation of a triiodohydroxylamine for the preparation of highly X-ray opaque poly(ε-caprolactone) materials. *Journal of Polymer Science Part A*, **2017**, 55, 787-793	2.5	7
18	Processing cellular spheroids for histological examination. *Journal of Histotechnology*, **2014**, 37, 138-142	1.3	7
17	Nanostructured and Photochromic Material for Environmental Detection of Metal Ions. *Molecules*, **2019**, 24,	4.8	7
16	Biodistribution and Pharmacokinetics of Nanoprobes **2011**, 75-104		6
15	Iodinated Polyesters with Enhanced X-ray Contrast Properties for Biomedical Imaging. *Scientific Reports*, **2020**, 10, 1508	4.9	6
14	Radioactive gold nanocluster (198-AuNCs) showed inhibitory effects on cancer cells lines. *Artificial Cells, Nanomedicine and Biotechnology*, **2020**, 48, 1214-1221	6.1	5
13	Microcrystalline Cellulose Extracted from Native Plants as an Excipient for Solid Dosage Formulations in Drug Delivery. *Nanomaterials*, **2020**, 10,	5.4	3
12	Longitudinal Stretching for Maturation of Vascular Tissues Using Magnetic Forces. *Bioengineering*, **2016**, 3,	5.3	3
11	Natural Biomaterials from Biodiversity for Healthcare Applications. *Advanced Healthcare Materials*, **2021**, e2101389	10.1	2
10	In Situ Photopolymerization of Acrylamide Hydrogel to Coat Cellulose Acetate Nanofibers for Drug Delivery System. *Polymers*, **2021**, 13,	4.5	2
9	Controllable Design of Naked and Poly(Amine)-Capped Porous and Nonporous Microparticles of Sustainable Polymers That Exhibit Dual Modalities for Volatile Organic Compound Adsorption. *ACS Applied Polymer Materials*, **2019**, 1, 3459-3469	4.3	2
8	In situ preparation of gold-polyester nanoparticles for biomedical imaging. *Biomaterials Science*, **2020**, 8, 3032-3043	7.4	2
7	Polytetrafluoroethylene-like Nanoparticles as a Promising Contrast Agent for Dual Modal Ultrasound and X-ray Bioimaging. *ACS Biomaterials Science and Engineering*, **2021**, 7, 1181-1191	5.5	2
6	Polymer-Scaffolded Synthesis of Periodic Mesoporous Organosilica Nanomaterials for Delivery Systems in Cancer Cells. *ACS Biomaterials Science and Engineering*, **2020**, 6, 6671-6679	5.5	1
5	Distinct Methodologies to Produce Capped Mesoporous Silica with Hydroxyapatite and the Influence in Intracellular Signaling as Cytotoxicity on Human Umbilical Vein Endothelial Cells. *Bioengineering*, **2021**, 8,	5.3	1
4	Scaled Synthesis of Polyamine-Modified Cellulose Nanocrystals from Bulk Cotton and Their Use for Capturing Volatile Organic Compounds. *Polymers*, **2021**, 13,	4.5	1

3	A Closer Look to Polyesters: Properties, Synthesis, Characterization, and Particle Drug Delivery Applications. *Nanoscience and Nanotechnology - Asia*, **2021**, 11,	0.7	1
2	Frequency Based Control of Antifouling Properties Using Graphene Nanoplatelet/Poly(Lactic-co-Glycolic Acid) Composite Films. *Composite Interfaces*, **2021**, 1-17	2.3	1
1	Theranostics: Polymer-Coated Radioluminescent Nanoparticles for Quantitative Imaging of Drug Delivery (Adv. Funct. Mater. 37/2014). *Advanced Functional Materials*, **2014**, 24, 5814-5814	15.6	