

Frank Alexis

List of Publications by Year in Descending Order

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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.

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	Natural Biomaterials from Biodiversity for Healthcare Applications. <i>Advanced Healthcare Materials</i> , 2021 , e2101389	10.1	2
73	In Situ Photopolymerization of Acrylamide Hydrogel to Coat Cellulose Acetate Nanofibers for Drug Delivery System. <i>Polymers</i> , 2021 , 13,	4.5	2
72	Polytetrafluoroethylene-like Nanoparticles as a Promising Contrast Agent for Dual Modal Ultrasound and X-ray Bioimaging. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 1181-1191	5.5	2
71	Distinct Methodologies to Produce Capped Mesoporous Silica with Hydroxyapatite and the Influence in Intracellular Signaling as Cytotoxicity on Human Umbilical Vein Endothelial Cells. <i>Bioengineering</i> , 2021 , 8,	5.3	1
70	Scaled Synthesis of Polyamine-Modified Cellulose Nanocrystals from Bulk Cotton and Their Use for Capturing Volatile Organic Compounds. <i>Polymers</i> , 2021 , 13,	4.5	1
69	A Closer Look to Polyesters: Properties, Synthesis, Characterization, and Particle Drug Delivery Applications. <i>Nanoscience and Nanotechnology - Asia</i> , 2021 , 11,	0.7	1
68	Persistent organic pollutants: The trade-off between potential risks and sustainable remediation methods. <i>Journal of Environmental Management</i> , 2021 , 300, 113737	7.9	11
67	Frequency Based Control of Antifouling Properties Using Graphene Nanoplatelet/Poly(Lactic-co-Glycolic Acid) Composite Films. <i>Composite Interfaces</i> , 2021 , 1-17	2.3	1
66	Polymer-Scaffolded Synthesis of Periodic Mesoporous Organosilica Nanomaterials for Delivery Systems in Cancer Cells. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 6671-6679	5.5	1
65	Cellulose particles capture aldehyde VOC pollutants.. <i>RSC Advances</i> , 2020 , 10, 7967-7975	3.7	9
64	Lycopene used as Anti-inflammatory Nanodrug for the Treatment of Rheumathoid Arthritis: Animal assay, Pharmacokinetics, ABC Transporter and Tissue Deposition. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 188, 110814	6	12
63	Microcrystalline Cellulose Extracted from Native Plants as an Excipient for Solid Dosage Formulations in Drug Delivery. <i>Nanomaterials</i> , 2020 , 10,	5.4	3
62	Iodinated Polyesters with Enhanced X-ray Contrast Properties for Biomedical Imaging. <i>Scientific Reports</i> , 2020 , 10, 1508	4.9	6
61	Degradation of pesticides using amine-functionalized cellulose nanocrystals.. <i>RSC Advances</i> , 2020 , 10, 44312-44322	3.7	8
60	Periodic mesoporous organosilica nanomaterials for rapid capture of VOCs. <i>Chemical Communications</i> , 2020 , 56, 607-610	5.8	17
59	Radioactive gold nanocluster (198-AuNCs) showed inhibitory effects on cancer cells lines. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2020 , 48, 1214-1221	6.1	5
58	Natural Cellulose Fibers for Surgical Suture Applications. <i>Polymers</i> , 2020 , 12,	4.5	8

57	In situ preparation of gold-polyester nanoparticles for biomedical imaging. <i>Biomaterials Science</i> , 2020 , 8, 3032-3043	7.4	2
56	Functionalized nanoparticles containing MKP-1 agonists reduce periodontal bone loss. <i>Journal of Periodontology</i> , 2019 , 90, 894-902	4.6	8
55	Molecular and Cellular Risk Assessment of Healthy Human Cells and Cancer Human Cells Exposed to Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2019 , 21,	6.3	10
54	Controllable Design of Naked and Poly(Amine)-Capped Porous and Nonporous Microparticles of Sustainable Polymers That Exhibit Dual Modalities for Volatile Organic Compound Adsorption. <i>ACS Applied Polymer Materials</i> , 2019 , 1, 3459-3469	4.3	2
53	Nanostructured and Photochromic Material for Environmental Detection of Metal Ions. <i>Molecules</i> , 2019 , 24,	4.8	7
52	Nanotechnology for Environmental Remediation: Materials and Applications. <i>Molecules</i> , 2018 , 23,	4.8	238
51	Capture of Aldehyde VOCs Using a Series of Amine-Functionalized Cellulose Nanocrystals. <i>ChemistrySelect</i> , 2018 , 3, 5495-5501	1.8	22
50	Rapid Removal of Poly- and Perfluorinated Alkyl Substances by Poly(ethylenimine)-Functionalized Cellulose Microcrystals at Environmentally Relevant Conditions. <i>Environmental Science and Technology Letters</i> , 2018 , 5, 764-769	11	51
49	Recent Advances in Polyesters for Biomedical Imaging. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1800798	10.1	15
48	Poly(amine) modified kaolinite clay for VOC capture. <i>Chemosphere</i> , 2018 , 213, 19-24	8.4	17
47	Synthesis and conjugation of a triiodohydroxylamine for the preparation of highly X-ray opaque poly(ϵ -caprolactone) materials. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 787-793	2.5	7
46	Bright X-ray and up-conversion nanophosphors annealed using encapsulated sintering agents for bioimaging applications. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 5412-5424	7.3	11
45	Tunable Properties of Functional Nanoparticles for Efficient Capture of VOCs. <i>ChemistrySelect</i> , 2017 , 2, 9889-9894	1.8	21
44	Iron Oxide Nanoparticles Stimulates Extra-Cellular Matrix Production in Cellular Spheroids. <i>Bioengineering</i> , 2017 , 4,	5.3	11
43	A Survey of VOC Emissions from Rendering Plants. <i>Aerosol and Air Quality Research</i> , 2017 , 17, 209-217	4.6	14
42	Longitudinal Stretching for Maturation of Vascular Tissues Using Magnetic Forces. <i>Bioengineering</i> , 2016 , 3,	5.3	3
41	Polymeric nanoparticle drug delivery technologies for oral delivery applications. <i>Expert Opinion on Drug Delivery</i> , 2015 , 12, 1459-73	8	155
40	Target-Specific Capture of Environmentally Relevant Gaseous Aldehydes and Carboxylic Acids with Functional Nanoparticles. <i>Chemistry - A European Journal</i> , 2015 , 21, 14834-42	4.8	27

39	Oxime functionalization strategy for iodinated poly(epsilon-caprolactone) X-ray opaque materials. <i>Journal of Polymer Science Part A</i> , 2015 , 53, 2421-2430	2.5	10
38	Non-invasive deep tissue imaging of iodine modified poly(caprolactone-co-1-4-oxepan-1,5-dione) using X-ray. <i>Acta Biomaterialia</i> , 2015 , 20, 94-103	10.8	17
37	Iron-Loaded Magnetic Nanocapsules for pH-Triggered Drug Release and MRI Imaging. <i>Chemistry of Materials</i> , 2014 , 26, 2105-2112	9.6	71
36	Multifunctional yolk-in-shell nanoparticles for pH-triggered drug release and imaging. <i>Small</i> , 2014 , 10, 3364-70	11	30
35	Nanotechnologies for noninvasive measurement of drug release. <i>Molecular Pharmaceutics</i> , 2014 , 11, 24-39	5.6	41
34	Janus magnetic cellular spheroids for vascular tissue engineering. <i>Biomaterials</i> , 2014 , 35, 949-60	15.6	43
33	Systemic Administration of Polymer-Coated Nano-Graphene to Deliver Drugs to Glioblastoma. <i>Particle and Particle Systems Characterization</i> , 2014 , 31, 886-894	3.1	29
32	Polymer-Coated Radioluminescent Nanoparticles for Quantitative Imaging of Drug Delivery. <i>Advanced Functional Materials</i> , 2014 , 24, 5815-5823	15.6	16
31	Multilayered polymer-coated carbon nanotubes to deliver dasatinib. <i>Molecular Pharmaceutics</i> , 2014 , 11, 276-82	5.6	24
30	Polymeric nanoparticle technologies for oral drug delivery. <i>Clinical Gastroenterology and Hepatology</i> , 2014 , 12, 1605-10	6.9	98
29	Nano-polypharmacy to treat tumors: coencapsulation of drug combinations using nanoparticle technology. <i>Molecular Therapy</i> , 2014 , 22, 1239-1240	11.7	11
28	Biological magnetic cellular spheroids as building blocks for tissue engineering. <i>Acta Biomaterialia</i> , 2014 , 10, 623-9	10.8	42
27	Adjuvant-carrying synthetic vaccine particles augment the immune response to encapsulated antigen and exhibit strong local immune activation without inducing systemic cytokine release. <i>Vaccine</i> , 2014 , 32, 2882-95	4.1	124
26	Synthesis of brightly PEGylated luminescent magnetic upconversion nanophosphors for deep tissue and dual MRI imaging. <i>Small</i> , 2014 , 10, 160-8	11	54
25	Theranostics: Polymer-Coated Radioluminescent Nanoparticles for Quantitative Imaging of Drug Delivery (Adv. Funct. Mater. 37/2014). <i>Advanced Functional Materials</i> , 2014 , 24, 5814-5814	15.6	
24	Processing cellular spheroids for histological examination. <i>Journal of Histotechnology</i> , 2014 , 37, 138-142	1.3	7
23	Accelerated Iron Oxide Nanoparticle Degradation Mediated by Polyester Encapsulation within Cellular Spheroids. <i>Advanced Functional Materials</i> , 2014 , 24, 800-807	15.6	14
22	Multifunctional Polymer-Coated Carbon Nanotubes for Safe Drug Delivery. <i>Particle and Particle Systems Characterization</i> , 2013 , 30, 365-373	3.1	50

21	Transepithelial transport of Fc-targeted nanoparticles by the neonatal fc receptor for oral delivery. <i>Science Translational Medicine</i> , 2013 , 5, 213ra167	17.5	286
20	Graphene coatings for enhanced hemo-compatibility of nitinol stents. <i>RSC Advances</i> , 2013 , 3, 1660-1665	3.7	60
19	Monitoring pH-triggered drug release from radioluminescent nanocapsules with X-ray excited optical luminescence. <i>ACS Nano</i> , 2013 , 7, 1178-87	16.7	97
18	EFFECTS OF POLYMERIC NANOPARTICLE SURFACE PROPERTIES ON INTERACTION WITH BRAIN TUMOR ENVIRONMENT. <i>Nano LIFE</i> , 2013 , 3, 1343003	0.9	13
17	Graphene coatings for biomedical implants. <i>Journal of Visualized Experiments</i> , 2013 , e50276	1.6	15
16	Engineering of targeted nanoparticles for cancer therapy using internalizing aptamers isolated by cell-uptake selection. <i>ACS Nano</i> , 2012 , 6, 696-704	16.7	136
15	Magnetic and optical properties of multifunctional core-shell radioluminescence nanoparticles. <i>Journal of Materials Chemistry</i> , 2012 , 22, 12802-12809		64
14	Targeted magnetic hyperthermia. <i>Therapeutic Delivery</i> , 2011 , 2, 815-38	3.8	30
13	Stimulus responsive nanogels for drug delivery. <i>Soft Matter</i> , 2011 , 7, 5908	3.6	289
12	Biodistribution and Pharmacokinetics of Nanoprobes		6
11	Nanoparticle technologies for cancer therapy. <i>Handbook of Experimental Pharmacology</i> , 2010 , 55-86	3.2	226
10	New frontiers in nanotechnology for cancer treatment. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2008 , 26, 74-85	2.8	233
9	Self-assembled lipid-polymer hybrid nanoparticles: a robust drug delivery platform. <i>ACS Nano</i> , 2008 , 2, 1696-702	16.7	721
8	Factors affecting the clearance and biodistribution of polymeric nanoparticles. <i>Molecular Pharmaceutics</i> , 2008 , 5, 505-15	5.6	2561
7	Superparamagnetic iron oxide nanoparticle-aptamer bioconjugates for combined prostate cancer imaging and therapy. <i>ChemMedChem</i> , 2008 , 3, 1311-5	3.7	261
6	HER-2-targeted nanoparticle-affibody bioconjugates for cancer therapy. <i>ChemMedChem</i> , 2008 , 3, 1839-43	3.7	119
5	Co-delivery of hydrophobic and hydrophilic drugs from nanoparticle-aptamer bioconjugates. <i>ChemMedChem</i> , 2007 , 2, 1268-71	3.7	215
4	Targeted nanoparticles for cancer therapy. <i>Nano Today</i> , 2007 , 2, 14-21	17.9	373

3	Some insight into hydrolytic scission mechanisms in bioerodible polyesters. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 3111-3117	2.9	43
2	Factors affecting the degradation and drug-release mechanism of poly(lactic acid) and poly[(lactic acid)-co-(glycolic acid)]. <i>Polymer International</i> , 2005 , 54, 36-46	3.3	323
1	In vitro study of release mechanisms of paclitaxel and rapamycin from drug-incorporated biodegradable stent matrices. <i>Journal of Controlled Release</i> , 2004 , 98, 67-74	11.7	111