

Nicolas Anton

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109
papers

5,035
citations

36
h-index

69
g-index

111
ext. papers

5,798
ext. citations

6.2
avg, IF

6.05
L-index

#	Paper	IF	Citations
109	Design and production of nanoparticles formulated from nano-emulsion templates-a review. <i>Journal of Controlled Release</i> , 2008 , 128, 185-99	11.7	849
108	Nano-emulsions and micro-emulsions: clarifications of the critical differences. <i>Pharmaceutical Research</i> , 2011 , 28, 978-85	4.5	372
107	The universality of low-energy nano-emulsification. <i>International Journal of Pharmaceutics</i> , 2009 , 377, 142-7	6.5	339
106	An overview of active and passive targeting strategies to improve the nanocarriers efficiency to tumour sites. <i>Journal of Pharmacy and Pharmacology</i> , 2019 , 71, 1185-1198	4.8	287
105	Nanoparticles by spray drying using innovative new technology: the Bñhi nano spray dryer B-90. <i>Journal of Controlled Release</i> , 2010 , 147, 304-10	11.7	282
104	Iodinated blood pool contrast media for preclinical X-ray imaging applications--a review. <i>Biomaterials</i> , 2010 , 31, 6249-68	15.6	193
103	Nano-emulsions and nanocapsules by the PIT method: an investigation on the role of the temperature cycling on the emulsion phase inversion. <i>International Journal of Pharmaceutics</i> , 2007 , 344, 44-52	6.5	164
102	Inorganic nanoparticles based contrast agents for X-ray computed tomography. <i>Advanced Healthcare Materials</i> , 2012 , 1, 413-31	10.1	126
101	Highly lipophilic fluorescent dyes in nano-emulsions: towards bright non-leaking nano-droplets. <i>RSC Advances</i> , 2012 , 2, 11876-11886	3.7	107
100	Thermosensitive chitosan/glycerophosphate-based hydrogel and its derivatives in pharmaceutical and biomedical applications. <i>Expert Opinion on Drug Delivery</i> , 2014 , 11, 249-67	8	95
99	Microfluidics: a focus on improved cancer targeted drug delivery systems. <i>Journal of Controlled Release</i> , 2013 , 172, 1065-74	11.7	77
98	Double emulsions prepared by two-step emulsification: History, state-of-the-art and perspective. <i>Journal of Controlled Release</i> , 2019 , 295, 31-49	11.7	77
97	Iodinated Æocopherol nano-emulsions as non-toxic contrast agents for preclinical X-ray imaging. <i>Biomaterials</i> , 2013 , 34, 481-91	15.6	73
96	Synthesis, Principles, and Properties of Magnetite Nanoparticles for In Vivo Imaging Applications-A Review. <i>Pharmaceutics</i> , 2019 , 11,	6.4	72
95	Contrast agents for preclinical targeted X-ray imaging. <i>Advanced Drug Delivery Reviews</i> , 2014 , 76, 116-138.5	13.5	69
94	Improved size-tunable preparation of polymeric nanoparticles by microfluidic nanoprecipitation. <i>Polymer</i> , 2012 , 53, 5045-5051	3.9	68
93	Integrity of lipid nanocarriers in bloodstream and tumor quantified by near-infrared ratiometric FRET imaging in living mice. <i>Journal of Controlled Release</i> , 2016 , 236, 57-67	11.7	65

92	Microfluidic nanoprecipitation systems for preparing pure drug or polymeric drug loaded nanoparticles: an overview. <i>Expert Opinion on Drug Delivery</i> , 2016 , 13, 1447-60	8	62
91	Rheological study of chitosan/polyol-phosphate systems: influence of the polyol part on the thermo-induced gelation mechanism. <i>Langmuir</i> , 2013 , 29, 10229-37	4	62
90	Production of nanoparticle drug delivery systems with microfluidics tools. <i>Expert Opinion on Drug Delivery</i> , 2015 , 12, 547-62	8	60
89	Pegylated nanocapsules produced by an organic solvent-free method: Evaluation of their stealth properties. <i>Pharmaceutical Research</i> , 2006 , 23, 2190-9	4.5	59
88	Biomedical Imaging: Principles, Technologies, Clinical Aspects, Contrast Agents, Limitations and Future Trends in Nanomedicines. <i>Pharmaceutical Research</i> , 2019 , 36, 78	4.5	56
87	Poly-ε-caprolactone tungsten oxide nanoparticles as a contrast agent for X-ray computed tomography. <i>Biomaterials</i> , 2014 , 35, 2981-6	15.6	53
86	Biodistribution of X-ray iodinated contrast agent in nano-emulsions is controlled by the chemical nature of the oily core. <i>ACS Nano</i> , 2014 , 8, 10537-50	16.7	53
85	Reverse micelle-loaded lipid nanocarriers: a novel drug delivery system for the sustained release of doxorubicin hydrochloride. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011 , 79, 197-204	5.7	50
84	Aqueous-core lipid nanocapsules for encapsulating fragile hydrophilic and/or lipophilic molecules. <i>Langmuir</i> , 2009 , 25, 11413-9	4	48
83	Counterion-enhanced cyanine dye loading into lipid nano-droplets for single-particle tracking in zebrafish. <i>Biomaterials</i> , 2014 , 35, 4950-7	15.6	47
82	A new microfluidic setup for precise control of the polymer nanoprecipitation process and lipophilic drug encapsulation. <i>Soft Matter</i> , 2012 , 8, 10628	3.6	47
81	Salting-out effect induced by temperature cycling on a water/nonionic surfactant/oil system. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 3651-7	3.4	46
80	Microfluidic conceived drug loaded Janus particles in side-by-side capillaries device. <i>International Journal of Pharmaceutics</i> , 2014 , 473, 239-49	6.5	42
79	Chitosan/glucose 1-phosphate as new stable in situ forming depot system for controlled drug delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014 , 88, 361-73	5.7	41
78	Synthesis and functionalization of hyperbranched polymers for targeted drug delivery. <i>Journal of Controlled Release</i> , 2020 , 321, 285-311	11.7	40
77	Continuous-flow encapsulation of ketoprofen in copolymer microbeads via co-axial microfluidic device: influence of operating and material parameters on drug carrier properties. <i>International Journal of Pharmaceutics</i> , 2013 , 441, 809-17	6.5	39
76	Microfluidic conceived pH sensitive core-shell particles for dual drug delivery. <i>International Journal of Pharmaceutics</i> , 2015 , 478, 78-87	6.5	37
75	Reverse micelle-loaded lipid nano-emulsions: new technology for nano-encapsulation of hydrophilic materials. <i>International Journal of Pharmaceutics</i> , 2010 , 398, 204-9	6.5	37

74	Trojan microparticles for drug delivery. <i>Pharmaceutics</i> , 2012 , 4, 1-25	6.4	36
73	Low-energy nanoemulsification to design veterinary controlled drug delivery devices. <i>International Journal of Nanomedicine</i> , 2010 , 5, 867-73	7.3	33
72	Iodinated nano-emulsions as contrast agents for preclinical X-ray imaging: Impact of the free surfactants on the pharmacokinetics. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013 , 83, 54-62	5.7	32
71	Nanotechnology for computed tomography: a real potential recently disclosed. <i>Pharmaceutical Research</i> , 2014 , 31, 20-34	4.5	28
70	Microencapsulation of nanoemulsions: novel Trojan particles for bioactive lipid molecule delivery. <i>International Journal of Nanomedicine</i> , 2011 , 6, 1313-25	7.3	26
69	Coupling Microreaction Technologies, Polymer Chemistry, and Processing to Produce Polymeric Micro and Nanoparticles with Controlled Size, Morphology, and Composition. <i>Macromolecular Reaction Engineering</i> , 2013 , 7, 414-439	1.5	24
68	Radiopaque iodinated nano-emulsions for preclinical X-ray imaging. <i>RSC Advances</i> , 2011 , 1, 792	3.7	24
67	Dye-Loaded Nanoemulsions: Biomimetic Fluorescent Nanocarriers for Bioimaging and Nanomedicine. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2001289	10.1	24
66	Development of doxorubicin hydrochloride loaded pH-sensitive liposomes: Investigation on the impact of chemical nature of lipids and liposome composition on pH-sensitivity. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018 , 133, 331-338	5.7	24
65	Biodistribution and Toxicity of X-Ray Iodinated Contrast Agent in Nano-emulsions in Function of Their Size. <i>Pharmaceutical Research</i> , 2016 , 33, 603-14	4.5	22
64	Engineering Polymer Microparticles by Droplet Microfluidics. <i>Journal of Flow Chemistry</i> , 2013 , 3, 66-75	3.3	22
63	A new method for the formulation of double nanoemulsions. <i>Soft Matter</i> , 2017 , 13, 1660-1669	3.6	21
62	A Continuous-Flow Polymerization Microprocess with Online GPC and Inline Polymer Recovery by Micromixer-Assisted Nanoprecipitation. <i>Macromolecular Reaction Engineering</i> , 2011 , 5, 542-547	1.5	21
61	Pickering nano-emulsion as a nanocarrier for pH-triggered drug release. <i>International Journal of Pharmaceutics</i> , 2018 , 549, 299-305	6.5	20
60	Functionalizing Nanoemulsions with Carboxylates: Impact on the Biodistribution and Pharmacokinetics in Mice. <i>Macromolecular Bioscience</i> , 2017 , 17, 1600471	5.5	19
59	Functionalization of nano-emulsions with an amino-silica shell at the oil/water interface. <i>RSC Advances</i> , 2015 , 5, 74353-74361	3.7	19
58	Poly(ethylene glycol)-poly(ϵ -caprolactone) iodinated nanocapsules as contrast agents for X-ray imaging. <i>Pharmaceutical Research</i> , 2013 , 30, 2023-35	4.5	19
57	Pickering nano-emulsions stabilized by solid lipid nanoparticles as a temperature sensitive drug delivery system. <i>Soft Matter</i> , 2019 , 15, 8164-8174	3.6	19

56	Non-invasive quantitative imaging of hepatocellular carcinoma growth in mice by micro-CT using liver-targeted iodinated nano-emulsions. <i>Scientific Reports</i> , 2017 , 7, 13935	4.9	18
55	Microfluidic conceived Trojan microcarriers for oral delivery of nanoparticles. <i>International Journal of Pharmaceutics</i> , 2015 , 493, 7-15	6.5	17
54	Aqueous core nanocapsules: a new solution for encapsulating doxorubicin hydrochloride. <i>Drug Development and Industrial Pharmacy</i> , 2013 , 39, 1706-11	3.6	17
53	Photopolymerized micelles of diacetylene amphiphile: physical characterization and cell delivery properties. <i>Chemical Communications</i> , 2015 , 51, 11595-8	5.8	16
52	Multimodal imaging of a humanized orthotopic model of hepatocellular carcinoma in immunodeficient mice. <i>Scientific Reports</i> , 2016 , 6, 35230	4.9	16
51	Liquid crystals and emulsions in the formulation of drug carriers. <i>Comptes Rendus Chimie</i> , 2008 , 11, 221-228	3.7	16
50	One-step synthesis of iron oxide polypyrrole nanoparticles encapsulating ketoprofen as model of hydrophobic drug. <i>International Journal of Pharmaceutics</i> , 2016 , 508, 61-70	6.5	16
49	Adhesive water-in-oil nano-emulsions generated by the phase inversion temperature method. <i>Soft Matter</i> , 2013 , 9, 6465	3.6	15
48	The influence of headgroup structure and fatty acyl chain saturation of phospholipids on monolayer behavior: a comparative rheological study. <i>Chemistry and Physics of Lipids</i> , 2007 , 150, 167-75	3.7	15
47	Magnetite- and Iodine-Containing Nanoemulsion as a Dual Modal Contrast Agent for X-ray/Magnetic Resonance Imaging. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 403-416	9.5	15
46	Light-triggered release from dye-loaded fluorescent lipid nanocarriers in vitro and in vivo. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 156, 414-421	6	13
45	A study of insoluble monolayers by deposition at a bubble interface. <i>Soft Matter</i> , 2013 , 9, 10081	3.6	13
44	Dilatational rheology of a gel point network formed by nonionic soluble surfactants at the oil/water interface. <i>Soft Matter</i> , 2013 , 9, 1310-1318	3.6	13
43	A new formulation of poly(MAOTIB) nanoparticles as an efficient contrast agent for in vivo X-ray imaging. <i>Acta Biomaterialia</i> , 2018 , 66, 200-212	10.8	13
42	Optimizing the Fluorescence Properties of Nanoemulsions for Single Particle Tracking in Live Cells. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 13079-13090	9.5	12
41	Microfluidic-Assisted Production of Size-Controlled Superparamagnetic Iron Oxide Nanoparticles-Loaded Poly(methyl methacrylate) Nanohybrids. <i>Langmuir</i> , 2018 , 34, 1981-1991	4	12
40	Production of dry-state ketoprofen-encapsulated PMMA NPs by coupling micromixer-assisted nanoprecipitation and spray drying. <i>International Journal of Pharmaceutics</i> , 2019 , 558, 1-8	6.5	11
39	Development of a thermosensitive statin loaded chitosan-based hydrogel promoting bone healing. <i>International Journal of Pharmaceutics</i> , 2020 , 586, 119534	6.5	10

38	Influence of diblock copolymer PCL-mPEG and of various iodinated oils on the formulation by the emulsion-solvent diffusion process of radiopaque polymeric nanoparticles. <i>Journal of Pharmaceutical Sciences</i> , 2013 , 102, 4150-8	3.9	10
37	Inorganic Nanoparticles for X-Ray Computed Tomography Imaging. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2018 , 35, 391-431	2.8	10
36	Tuning of properties of alkyl phenol formaldehyde resins in petroleum demulsifiers: 1. Emulsion stability test. <i>Petroleum Science and Technology</i> , 2017 , 35, 1055-1062	1.4	10
35	Quantifying Release from Lipid Nanocarriers by Fluorescence Correlation Spectroscopy. <i>ACS Omega</i> , 2018 , 3, 14333-14340	3.9	10
34	Evaluation of Antimicrobial Activity of Triphala Constituents and Nanoformulation. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020 , 2020, 6976973	2.3	9
33	Lipid-core/polymer-shell hybrid nanoparticles: synthesis and characterization by fluorescence labeling and electrophoresis. <i>Soft Matter</i> , 2020 , 16, 4173-4181	3.6	8
32	Different surface corrugations occurring during drainage of axisymmetric thin liquid films. <i>Langmuir</i> , 2007 , 23, 9213-20	4	8
31	A new application of lipid nanoemulsions as coating agent, providing zero-order hydrophilic drug release from tablets. <i>Journal of Drug Delivery</i> , 2012 , 2012, 271319	2.3	7
30	Controlled Synthesis of NaYF ₄ :Yb,Er Upconversion Nanocrystals as Potential Probe for Bioimaging: A Focus on Heat Treatment. <i>ACS Applied Nano Materials</i> , 2021 , 4, 5319-5329	5.6	7
29	Nano-emulsions for Drug Delivery and Biomedical Imaging. <i>Fundamental Biomedical Technologies</i> , 2016 , 273-300		6
28	Toward the Formulation of Stable Micro and Nano Double Emulsions through a Silica Coating on Internal Water Droplets. <i>Langmuir</i> , 2019 , 35, 2313-2325	4	6
27	Investigating the growth of hyperbranched polymers by self-condensing vinyl RAFT copolymerization from the surface of upconversion nanoparticles. <i>Polymer Chemistry</i> , 2020 , 11, 4313-4325	4.9	5
26	Transitional Nanoemulsification Methods 2018 , 77-100		5
25	Spontaneous nano-emulsification with tailor-made amphiphilic polymers and related monomers 2019 , 1, 27-36		5
24	Near infrared fluorogenic probe as a prodrug model for evaluating cargo release by nanoemulsions. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 5938-5944	7.3	4
23	Do iodinated nano-emulsions designed for preclinical vascular imaging alter the vascular reactivity in rat aorta?. <i>International Journal of Pharmaceutics</i> , 2013 , 454, 143-8	6.5	4
22	Oral pellets loaded with nanoemulsions 2017 , 203-230		4
21	Nano-Emulsions 2016 , 93-116		4

20	Water-in-Oil Nano-Emulsions Prepared by Spontaneous Emulsification: New Insights on the Formulation Process. <i>Pharmaceutics</i> , 2021 , 13,	6.4	4
19	Drug-Sponge Lipid Nanocarrier for in Situ Cargo Loading and Release Using Dynamic Covalent Chemistry. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 6573-6580	16.4	4
18	Tuning of properties of alkyl phenol formaldehyde resins in petroleum demulsifiers. 2. Interfacial dilatational properties. <i>Petroleum Science and Technology</i> , 2017 , 35, 1124-1129	1.4	3
17	Further insights into release mechanisms from nano-emulsions, assessed by a simple fluorescence-based method. <i>Journal of Colloid and Interface Science</i> , 2020 , 578, 768-778	9.3	3
16	Pickering nano-emulsions stabilized by Eudragit RL100 nanoparticles as oral drug delivery system for poorly soluble drugs. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 191, 111010	6	3
15	Production of lipophilic nanogels by spontaneous emulsification. <i>International Journal of Pharmaceutics</i> , 2020 , 585, 119481	6.5	2
14	Lipid nanocarriers: Formulation, properties, and applications 2020 , 355-382		2
13	Microfluidic Production of Micro- and Nanoparticles 2013 ,		2
12	Fluorescent nanocarriers targeting VCAM-1 for early detection of senescent endothelial cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021 , 34, 102379	6	2
11	Nutraceutical compounds encapsulated by extrusion-spherulization 2017 , 195-230		1
10	Nano-Emulsions: Overview and Applications 2012 , 21-48		1
9	Drug-Sponge Lipid Nanocarrier for in Situ Cargo Loading and Release Using Dynamic Covalent Chemistry. <i>Angewandte Chemie</i> , 2021 , 133, 6647-6654	3.6	1
8	Tuning polymers grafted on upconversion nanoparticles for the delivery of 5-fluorouracil. <i>European Polymer Journal</i> , 2020 , 137, 109935	5.2	0
7	Tunable functionalization of nano-emulsions using amphiphilic polymers. <i>Soft Matter</i> , 2021 , 17, 1788-1795	3.5	0
6	A focus of the nanoprecipitation by solvent displacement: example of poly(MAOTIB) intended to in vivo applications 2019 , 1, 20-26		
5	Inaugural Issue Editorial Note 2019 , 1, 01		
4	Bioengineering International joins the Family of Platinum Open Access Journals 2019 , 1, 001-001		
3	Nano-Emulsions 2015 , 1-19		

- 2 The pH-Induced Specific Area Changes of Unsaturated Lipids Deposited onto a Bubble Interface. *Langmuir*, **2021**, 37, 2586-2595 4
- 1 Study of the spontaneous nano-emulsification process with different octadecyl succinic anhydride derivatives. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2022**, 645, 128858 5¹