

P Couvreur

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.

543
papers

51,082
citations

103
h-index

210
g-index

576
ext. papers

55,190
ext. citations

7.6
avg, IF

7.79
L-index

#	Paper	IF	Citations
543	Toxicity of metal-organic framework nanoparticles: from essential analyses to potential applications.. <i>Chemical Society Reviews</i> , 2022 ,	58.5	17
542	Micro- and nanocarriers for pain alleviation. <i>Advanced Drug Delivery Reviews</i> , 2022 , 187, 114359	18.5	2
541	Squalenoyl siRNA PMP22 nanoparticles are effective in treating mouse models of Charcot-Marie-Tooth disease type 1 A. <i>Communications Biology</i> , 2021 , 4, 317	6.7	7
540	Gemcitabine Lipid Prodrugs: The Key Role of the Lipid Moiety on the Self-Assembly into Nanoparticles. <i>Bioconjugate Chemistry</i> , 2021 , 32, 782-793	6.3	0
539	Elongated self-assembled nanocarriers: From molecular organization to therapeutic applications. <i>Advanced Drug Delivery Reviews</i> , 2021 , 172, 127-147	18.5	4
538	(Poly-cyanoacrylate) nanomedicines for cancer and beyond: Lessons learned. <i>Journal of Controlled Release</i> , 2021 , 334, 318-326	11.7	4
537	When drug nanocarriers miss their target: extracellular diffusion and cell uptake are not enough to be effective. <i>Biomaterials Science</i> , 2021 , 9, 5407-5414	7.4	1
536	New Enkephalin Nanomedicines for Pain Alleviation, Overcoming the Side Effects of Morphine 2021 , 191-212		
535	Investigation of squalene-doxorubicin distribution and interactions within single cancer cell using Raman microspectroscopy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021 , 35, 102404	6	3
534	Gemcitabine lipid prodrug nanoparticles: Switching the lipid moiety and changing the fate in the bloodstream. <i>International Journal of Pharmaceutics</i> , 2021 , 609, 121076	6.5	2
533	Supramolecular organization and biological interaction of squalenoyl siRNA nanoparticles. <i>International Journal of Pharmaceutics</i> , 2021 , 609, 121117	6.5	0
532	Squalene-based multidrug nanoparticles for improved mitigation of uncontrolled inflammation in rodents. <i>Science Advances</i> , 2020 , 6, eaaz5466	14.3	46
531	Squalene-based nanoparticles for the targeting of atherosclerotic lesions. <i>International Journal of Pharmaceutics</i> , 2020 , 581, 119282	6.5	8
530	Albumin-driven disassembly of lipidic nanoparticles: the specific case of the squalene-adenosine nanodrug. <i>Nanoscale</i> , 2020 , 12, 2793-2809	7.7	6
529	PLGA nanocapsules improve the delivery of clarithromycin to kill intracellular <i>Staphylococcus aureus</i> and <i>Mycobacterium abscessus</i> . <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020 , 24, 102125	6	16
528	Vitamin C-squalene bioconjugate promotes epidermal thickening and collagen production in human skin. <i>Scientific Reports</i> , 2020 , 10, 16883	4.9	12
527	Combinatorial Nanomedicine Made of Squalenoyl-Gemcitabine and Edelfosine for the Treatment of Osteosarcoma. <i>Cancers</i> , 2020 , 12,	6.6	1

526	Advanced nanomedicines for the treatment of inflammatory diseases. <i>Advanced Drug Delivery Reviews</i> , 2020 , 157, 161-178	18.5	38
525	Synthesis and Biopharmaceutical Characterization of Amphiphilic Squalenyl Derivative Based Versatile Drug Delivery Platform. <i>Frontiers in Chemistry</i> , 2020 , 8, 584242	5	2
524	Squalenoyl-gemcitabine/edelfosine nanoassemblies: Anticancer activity in pediatric cancer cells and pharmacokinetic profile in mice. <i>International Journal of Pharmaceutics</i> , 2020 , 582, 119345	6.5	5
523	A Self-Assembling NHC-Pd-Loaded Calixarene as a Potent Catalyst for the Suzuki-Miyaura Cross-Coupling Reaction in Water. <i>Molecules</i> , 2020 , 25,	4.8	2
522	A unique multidrug nanomedicine made of squalenoyl-gemcitabine and alkyl-lysophospholipid edelfosine. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019 , 144, 165-173	5.7	7
521	Squalene-Adenosine Nanoparticles: Ligands of Adenosine Receptors or Adenosine Prodrug?. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019 , 369, 144-151	4.7	10
520	Light sheet fluorescence microscopy versus confocal microscopy: in quest of a suitable tool to assess drug and nanomedicine penetration into multicellular tumor spheroids. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019 , 142, 195-203	5.7	30
519	Protein-functionalized nanoparticles derived from end-functional polymers and polymer prodrugs for crossing the blood-brain barrier. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019 , 142, 70-82	5.7	19
518	Drug-Initiated Synthesis of Heterotelechelic Polymer Prodrug Nanoparticles for in Vivo Imaging and Cancer Cell Targeting. <i>Biomacromolecules</i> , 2019 , 20, 2464-2476	6.9	11
517	Adenosine and lipids: A forced marriage or a love match?. <i>Advanced Drug Delivery Reviews</i> , 2019 , 151-152, 233-244	18.5	6
516	Compartmentalized Encapsulation of Two Antibiotics in Porous Nanoparticles: an Efficient Strategy to Treat Intracellular Infections. <i>Particle and Particle Systems Characterization</i> , 2019 , 36, 1800360	3.1	16
515	Translation of nanomedicines from lab to industrial scale synthesis: The case of squalene-adenosine nanoparticles. <i>Journal of Controlled Release</i> , 2019 , 307, 302-314	11.7	25
514	Stacking as a Key Property for Creating Nanoparticles with Tunable Shape: The Case of Squalenoyl-Doxorubicin. <i>ACS Nano</i> , 2019 , 13, 12870-12879	16.7	8
513	Nanomedicine: From where are we coming and where are we going?. <i>Journal of Controlled Release</i> , 2019 , 311-312, 319-321	11.7	11
512	A new painkiller nanomedicine to bypass the blood-brain barrier and the use of morphine. <i>Science Advances</i> , 2019 , 5, eaau5148	14.3	37
511	Selective modification of a native protein in a patient tissue homogenate using palladium nanoparticles. <i>Chemical Communications</i> , 2019 , 55, 15121-15124	5.8	2
510	Heterotelechelic polymer prodrug nanoparticles: Adaptability to different drug combinations and influence of the dual functionalization on the cytotoxicity. <i>Journal of Controlled Release</i> , 2019 , 295, 223-236	11.7	17
509	Therapeutic Opportunities in Neuroblastoma Using Nanotechnology. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019 , 370, 625-635	4.7	9

508	Low-Density Lipoproteins and Human Serum Albumin as Carriers of Squalenoylated Drugs: Insights from Molecular Simulations. <i>Molecular Pharmaceutics</i> , 2018 , 15, 585-591	5.6	18
507	New Formulation for the Delivery of Oligonucleotides Using "Clickable" siRNA-Polyisoprenoid-Conjugated Nanoparticles: Application to Cancers Harboring Fusion Oncogenes. <i>Bioconjugate Chemistry</i> , 2018 , 29, 1961-1972	6.3	9
506	Dual controlled delivery of squalenoyl-gemcitabine and paclitaxel using thermo-responsive polymeric micelles for pancreatic cancer. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 2230-2239	7.3	17
505	Squalene versus cholesterol: Which is the best nanocarrier for the delivery to cells of the anticancer drug gemcitabine?. <i>Comptes Rendus Chimie</i> , 2018 , 21, 974-986	2.7	8
504	Nanomedicines for Pediatric Cancers. <i>ACS Nano</i> , 2018 , 12, 7482-7496	16.7	40
503	GraftFast Surface Engineering to Improve MOF Nanoparticles Furtiveness. <i>Small</i> , 2018 , 14, e1801900	11	41
502	Multicellular spheroid based on a triple co-culture: A novel 3D model to mimic pancreatic tumor complexity. <i>Acta Biomaterialia</i> , 2018 , 78, 296-307	10.8	115
501	A facile route to heterotelechelic polymer prodrug nanoparticles for imaging, drug delivery and combination therapy. <i>Journal of Controlled Release</i> , 2018 , 286, 425-438	11.7	19
500	Nanoparticles of Metal-Organic Frameworks: On the Road to In Vivo Efficacy in Biomedicine. <i>Advanced Materials</i> , 2018 , 30, e1707365	24	325
499	In Vivo FRET Imaging to Predict the Risk Associated with Hepatic Accumulation of Squalene-Based Prodrug Nanoparticles. <i>Advanced Healthcare Materials</i> , 2018 , 7, 1700830	10.1	17
498	Preparation and Characterization of Biocompatible Chitosan Nanoparticles for Targeted Brain Delivery of Peptides. <i>Methods in Molecular Biology</i> , 2018 , 1727, 443-454	1.4	10
497	Antibody-functionalized polymer nanoparticle leading to memory recovery in Alzheimer's disease-like transgenic mouse model. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018 , 14, 609-618	6	67
496	Nanoplumbers: biomaterials to fight cardiovascular diseases. <i>Materials Today</i> , 2018 , 21, 122-143	21.8	22
495	A small variation in average particle size of PLGA nanoparticles prepared by nanoprecipitation leads to considerable change in nanoparticles' characteristics and efficacy of intracellular delivery. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017 , 45, 1657-1664	6.1	35
494	A Squalene-Based Nanomedicine for Oral Treatment of Colon Cancer. <i>Cancer Research</i> , 2017 , 77, 2964-2975	20.5	49
493	Multicellular tumor spheroids: a relevant 3D model for the in vitro preclinical investigation of polymer nanomedicines. <i>Polymer Chemistry</i> , 2017 , 8, 4947-4969	4.9	95
492	Desmoplastic Reaction in 3D-Pancreatic Cancer Tissues Suppresses Molecular Permeability. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1700057	10.1	13
491	Poly-isoprenylated ifosfamide analogs: Preactivated antitumor agents as free formulation or nanoassemblies. <i>International Journal of Pharmaceutics</i> , 2017 , 532, 748-756	6.5	0

490	Conjugation of squalene to gemcitabine as unique approach exploiting endogenous lipoproteins for drug delivery. <i>Nature Communications</i> , 2017 , 8, 15678	17.4	66
489	Circulating Lipoproteins: A Trojan Horse Guiding Squalenoylated Drugs to LDL-Accumulating Cancer Cells. <i>Molecular Therapy</i> , 2017 , 25, 1596-1605	11.7	27
488	Towards improved HIV-microbicide activity through the co-encapsulation of NRTI drugs in biocompatible metal organic framework nanocarriers. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 8563-8569	7.3	18
487	A Smart Metal-Organic Framework Nanomaterial for Lung Targeting. <i>Angewandte Chemie</i> , 2017 , 129, 15771-15775	3.6	16
486	A Smart Metal-Organic Framework Nanomaterial for Lung Targeting. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 15565-15569	16.4	94
485	X-ray microfluorescence for biodistribution studies of nanomedicines. <i>International Journal of Pharmaceutics</i> , 2017 , 531, 343-349	6.5	2
484	Evaluation of brain-targeted chitosan nanoparticles through blood-brain barrier cerebral microvessel endothelial cells. <i>Journal of Microencapsulation</i> , 2017 , 34, 659-666	3.4	27
483	Ultrasound-triggered pain relief. <i>Nature Biomedical Engineering</i> , 2017 , 1, 625-626	19	0
482	Positively charged cyclodextrins as effective molecular transporters of active phosphorylated forms of gemcitabine into cancer cells. <i>Scientific Reports</i> , 2017 , 7, 8353	4.9	9
481	Design, Preparation and Characterization of Modular Squalene-based Nanosystems for Controlled Drug Release. <i>Current Topics in Medicinal Chemistry</i> , 2017 ,	3	6
480	In vivo behavior of MIL-100 nanoparticles at early times after intravenous administration. <i>International Journal of Pharmaceutics</i> , 2016 , 511, 1042-7	6.5	50
479	Simple Synthesis of Cladribine-Based Anticancer Polymer Prodrug Nanoparticles with Tunable Drug Delivery Properties. <i>Chemistry of Materials</i> , 2016 , 28, 6266-6275	9.6	22
478	In vitro investigation of multidrug nanoparticles for combined therapy with gemcitabine and a tyrosine kinase inhibitor: Together is not better. <i>Biochimie</i> , 2016 , 130, 4-13	4.6	5
477	Nanotechnologies for the treatment of colon cancer: From old drugs to new hope. <i>International Journal of Pharmaceutics</i> , 2016 , 514, 24-40	6.5	37
476	PLGA-PEG-supported Pd Nanoparticles as Efficient Catalysts for Suzuki-Miyaura Coupling Reactions in Water. <i>Chimia</i> , 2016 , 70, 252-7	1.3	7
475	Antineoplastic busulfan encapsulated in a metal organic framework nanocarrier: first in vivo results. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 585-588	7.3	29
474	Nanotheranostics for Personalized Medicine 2016 ,		4
473	Squalenoylation: A Novel Technology for Anticancer and Antibiotic Drugs with Enhanced Activity 2016 , 253-272		2

472	Synthesis of a deuterated probe for the confocal Raman microscopy imaging of squalenoyl nanomedicines. <i>Beilstein Journal of Organic Chemistry</i> , 2016 , 12, 1127-35	2.5	8
471	How can nanomedicines overcome cellular-based anticancer drug resistance?. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 5078-5100	7.3	29
470	Knocking Down TMPRSS2-ERG Fusion Oncogene by siRNA Could be an Alternative Treatment to Flutamide. <i>Molecular Therapy - Nucleic Acids</i> , 2016 , 5, e301	10.7	8
469	PEGylated squalenoyl-gemcitabine nanoparticles for the treatment of glioblastoma. <i>Biomaterials</i> , 2016 , 105, 136-144	15.6	46
468	Lipid-Conjugation of Endogenous Neuropeptides: Improved Biotherapy against Human Pancreatic Cancer. <i>Advanced Healthcare Materials</i> , 2015 , 4, 1015-22	10.1	8
467	Influence of the nanoprecipitation conditions on the supramolecular structure of squalenoyled nanoparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015 , 96, 89-95	5.7	8
466	Special JDDST issue in honour of Prof. Dominique Duchêne. <i>Journal of Drug Delivery Science and Technology</i> , 2015 , 30, 251-259	4.5	
465	Squalenoylation of Chitosan: A Platform for Drug Delivery?. <i>Biomacromolecules</i> , 2015 , 16, 2930-9	6.9	25
464	Pharmacokinetics, biodistribution and metabolism of squalenoyl adenosine nanoparticles in mice using dual radio-labeling and radio-HPLC analysis. <i>Journal of Controlled Release</i> , 2015 , 212, 50-8	11.7	17
463	Simultaneous quantification of preactivated ifosfamide derivatives and of 4-hydroxyifosfamide by high performance liquid chromatography-tandem mass spectrometry in mouse plasma and its application to a pharmacokinetic study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015 , 992, 30-5	3.2	3
462	Turning Squalene into Cationic Lipid Allows a Delivery of siRNA in Cultured Cells. <i>Nucleic Acid Therapeutics</i> , 2015 , 25, 121-9	4.8	4
461	Solvent selection causes remarkable shifts of the "Ouzo region" for poly(lactide-co-glycolide) nanoparticles prepared by nanoprecipitation. <i>Nanoscale</i> , 2015 , 7, 9215-21	7.7	48
460	The role of solvent swelling in the self-assembly of squalene based nanomedicines. <i>Soft Matter</i> , 2015 , 11, 4173-9	3.6	6
459	Transport Mechanisms of Squalenoyl-Adenosine Nanoparticles Across the Blood-Brain Barrier. <i>Chemistry of Materials</i> , 2015 , 27, 3636-3647	9.6	28
458	Design attributes of long-circulating polymeric drug delivery vehicles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015 , 97, 304-17	5.7	46
457	The Drug-Initiated Method: A Convenient Approach for the Synthesis of Efficient Polymer Prodrug Nanoparticles. <i>ACS Symposium Series</i> , 2015 , 257-272	0.4	1
456	Efficient "green" encapsulation of a highly hydrophilic anticancer drug in metal-organic framework nanoparticles. <i>Journal of Drug Targeting</i> , 2015 , 23, 759-67	5.4	55
455	A Druggable Pocket at the Nucleocapsid/Phosphoprotein Interaction Site of Human Respiratory Syncytial Virus. <i>Journal of Virology</i> , 2015 , 89, 11129-43	6.6	35

454	Nanomedicines and stroke: Toward translational research. <i>Journal of Drug Delivery Science and Technology</i> , 2015 , 30, 278-299	4.5	9
453	Trends in the development of oral anticoagulants. <i>Therapeutic Delivery</i> , 2015 , 6, 685-703	3.8	
452	"Squalenoylcurcumin" nanoassemblies as water-dispersible drug candidates with antileishmanial activity. <i>ChemMedChem</i> , 2015 , 10, 411-8	3.7	16
451	Systemically administered brain-targeted nanoparticles transport peptides across the blood-brain barrier and provide neuroprotection. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015 , 35, 469-75	7.3	76
450	Preactivated oxazaphosphorines designed for isophosphoramidate mustard delivery as bulk form or nanoassemblies: synthesis and proof of concept. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 705-17	8.3	11
449	Gemcitabine-based therapy for pancreatic cancer using the squalenoyl nucleoside monophosphate nanoassemblies. <i>International Journal of Pharmaceutics</i> , 2015 , 482, 38-46	6.5	23
448	Synthesis and Cytotoxic Activity of Self-Assembling Squalene Conjugates of 3-[(Pyrrol-2-yl)methylidene]-2,3-dihydro-1H-indol-2-one Anticancer Agents. <i>European Journal of Organic Chemistry</i> , 2015 , 2015, 202-212	3.2	18
447	An efficient system for intracellular delivery of beta-lactam antibiotics to overcome bacterial resistance. <i>Scientific Reports</i> , 2015 , 5, 13500	4.9	58
446	Antineoplastic Effects of siRNA against TMPRSS2-ERG Junction Oncogene in Prostate Cancer. <i>PLoS ONE</i> , 2015 , 10, e0125277	3.7	21
445	Palladium: a future key player in the nanomedical field?. <i>Chemical Science</i> , 2015 , 6, 2153-2157	9.4	103
444	Multilamellar Nanoparticles Self-Assembled from Opposite Charged Blends: Insights from Mesoscopic Simulation. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 20649-20661	3.8	20
443	Lipid prodrug nanocarriers in cancer therapy. <i>Journal of Controlled Release</i> , 2015 , 208, 25-41	11.7	80
442	Nanocarriers for antibiotics: a promising solution to treat intracellular bacterial infections. <i>International Journal of Antimicrobial Agents</i> , 2014 , 43, 485-96	14.3	197
441	Recent trends in the design of anticancer polymer prodrug nanocarriers. <i>Polymer Chemistry</i> , 2014 , 5, 1529-1544	4.9	210
440	Nanoprecipitation and the "Ouzo effect": Application to drug delivery devices. <i>Advanced Drug Delivery Reviews</i> , 2014 , 71, 86-97	18.5	236
439	Drug delivery: replenishing reservoirs in vivo. <i>Nature Nanotechnology</i> , 2014 , 9, 874-5	28.7	9
438	Combined antitumoral therapy with nanoassemblies of bolaform polyisoprenoyl paclitaxel/gemcitabine prodrugs. <i>Polymer Chemistry</i> , 2014 , 5, 1662-1673	4.9	12
437	Multifunctional squalene-based prodrug nanoparticles for targeted cancer therapy. <i>Chemical Communications</i> , 2014 , 50, 5336-8	5.8	49

436	Novel self assembling nanoparticles for the oral administration of fondaparinux: synthesis, characterization and in vivo evaluation. <i>Journal of Controlled Release</i> , 2014 , 194, 323-31	11.7	20
435	Therapeutic modalities of squalenoyl nanocomposites in colon cancer: an ongoing search for improved efficacy. <i>ACS Nano</i> , 2014 , 8, 2018-32	16.7	58
434	Peptide conjugation: before or after nanoparticle formation?. <i>Bioconjugate Chemistry</i> , 2014 , 25, 1971-836.3		21
433	Self-assembly of polyisoprenoyl gemcitabine conjugates: influence of supramolecular organization on their biological activity. <i>Langmuir</i> , 2014 , 30, 6348-57	4	18
432	Médicaments de haute technologie en oncologie. <i>Oncologie</i> , 2014 , 16, 379-387	1	
431	Peptide-functionalized nanoparticles for selective targeting of pancreatic tumor. <i>Journal of Controlled Release</i> , 2014 , 192, 29-39	11.7	35
430	Significant Tumor Growth Inhibition from Naturally Occurring Lipid-Containing Polymer Prodrug Nanoparticles Obtained by the Drug-Initiated Method. <i>Chemistry of Materials</i> , 2014 , 26, 3606-3609	9.6	26
429	Precise Engineering of Multifunctional PEGylated Polyester Nanoparticles for Cancer Cell Targeting and Imaging. <i>Chemistry of Materials</i> , 2014 , 26, 1834-1847	9.6	42
428	Interactions of anticancer drugs with biomembranes: what can we learn from model membranes?. <i>Journal of Controlled Release</i> , 2014 , 190, 127-38	11.7	53
427	Effects of silencing the RET/PTC1 oncogene in papillary thyroid carcinoma by siRNA-squalene nanoparticles with and without fusogenic companion GALA-cholesterol. <i>Thyroid</i> , 2014 , 24, 327-38	6.2	16
426	PEGylated Polymer-Based Nanoparticles for Drug Delivery to the Brain 2014 , 409-428		
425	Effects of siRNA on RET/PTC3 junction oncogene in papillary thyroid carcinoma: from molecular and cellular studies to preclinical investigations. <i>PLoS ONE</i> , 2014 , 9, e95964	3.7	10
424	Squalenoyl adenosine nanoparticles provide neuroprotection after stroke and spinal cord injury. <i>Nature Nanotechnology</i> , 2014 , 9, 1054-1062	28.7	163
423	A unique squalenoylated and nonpegylated doxorubicin nanomedicine with systemic long-circulating properties and anticancer activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E217-26	11.5	163
422	Interfacial behavior of PEGylated lipids and their effect on the stability of squalenoyl-drug nanoassemblies. <i>International Journal of Pharmaceutics</i> , 2014 , 471, 75-82	6.5	5
421	Nanoparticles in drug delivery: past, present and future. <i>Advanced Drug Delivery Reviews</i> , 2013 , 65, 21-3	18.5	461
420	Nanomedicine as a promising approach for the treatment and diagnosis of brain diseases: the example of Alzheimer's disease. <i>Annales Pharmaceutiques Françaises</i> , 2013 , 71, 225-33	1.3	23
419	Polymer prodrug nanoparticles based on naturally occurring isoprenoid for anticancer therapy. <i>Biomacromolecules</i> , 2013 , 14, 2837-47	6.9	48

418	Novel isoprenoyl nanoassembled prodrug for paclitaxel delivery. <i>Bioconjugate Chemistry</i> , 2013 , 24, 1840-3	38
417	Stimuli-responsive nanocarriers for drug delivery. <i>Nature Materials</i> , 2013 , 12, 991-1003	27 4217
416	Self-assembly of squalene-based nucleolipids: relating the chemical structure of the bioconjugates to the architecture of the nanoparticles. <i>Langmuir</i> , 2013 , 29, 14795-803	4 33
415	Rational design for multifunctional non-liposomal lipid-based nanocarriers for cancer management: theory to practice. <i>Journal of Nanobiotechnology</i> , 2013 , 11 Suppl 1, S6	9.4 27
414	Towards an improved anti-HIV activity of NRTI via metal-organic frameworks nanoparticles. <i>Advanced Healthcare Materials</i> , 2013 , 2, 1630-7	10.1 104
413	Facile synthesis of multicompartement micelles based on biocompatible poly(3-hydroxyalkanoate). <i>Macromolecular Rapid Communications</i> , 2013 , 34, 362-8	4.8 29
412	Design, functionalization strategies and biomedical applications of targeted biodegradable/biocompatible polymer-based nanocarriers for drug delivery. <i>Chemical Society Reviews</i> , 2013 , 42, 1147-235	58.5 979
411	Polyisoprenoyl gemcitabine conjugates self assemble as nanoparticles, useful for cancer therapy. <i>Cancer Letters</i> , 2013 , 334, 346-53	9.9 59
410	In depth analysis of the in vivo toxicity of nanoparticles of porous iron(III) metal-organic frameworks. <i>Chemical Science</i> , 2013 , 4, 1597	9.4 245
409	Anti-HIV efficacy and biodistribution of nucleoside reverse transcriptase inhibitors delivered as squalenoylated prodrug nanoassemblies. <i>Biomaterials</i> , 2013 , 34, 4831-8	15.6 26
408	Nanoparticles with in vivo anticancer activity from polymer prodrug amphiphiles prepared by living radical polymerization. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 1678-82	16.4 71
407	DNA/Fusogenic Lipid Nanocarrier Assembly: Millisecond Structural Dynamics. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 1959-64	6.4 73
406	Improving the antitumor activity of squalenoyl-paclitaxel conjugate nanoassemblies by manipulating the linker between paclitaxel and squalene. <i>Advanced Healthcare Materials</i> , 2013 , 2, 172-85	10.1 41
405	Green Fluorine-free mesoporous iron(III) trimesate nanoparticles for drug delivery. <i>Green Materials</i> , 2013 , 1, 209-217	3.2 31
404	Nanomaterials: Applications in Drug Delivery 2013 , 131-151	1
403	Nanoparticles with In Vivo Anticancer Activity from Polymer Prodrug Amphiphiles Prepared by Living Radical Polymerization. <i>Angewandte Chemie</i> , 2013 , 125, 1722-1726	3.6 6
402	Effect of nanoparticles binding Amyloid peptide on nitric oxide production by cultured endothelial cells and macrophages. <i>International Journal of Nanomedicine</i> , 2013 , 8, 1335-47	7.3 8
401	Squalenoylation: a generic platform for nanoparticulate drug delivery. <i>Journal of Controlled Release</i> , 2012 , 161, 609-18	11.7 97

400	Magnetic nanoparticles: design and characterization, toxicity and biocompatibility, pharmaceutical and biomedical applications. <i>Chemical Reviews</i> , 2012 , 112, 5818-78	68.1	1504
399	Nanoparticles in cancer therapy and diagnosis. <i>Advanced Drug Delivery Reviews</i> , 2012 , 64, 24-36	18.5	533
398	Nanotheranostics for personalized medicine. <i>Advanced Drug Delivery Reviews</i> , 2012 , 64, 1394-416	18.5	349
397	Comproportionation versus Disproportionation in the Initiation Step of Cu(0)-Mediated Living Radical Polymerization. <i>Macromolecules</i> , 2012 , 45, 7388-7396	5.5	48
396	In vitro determination of the CYP 3A4 activity in rat hepatic microsomes by liquid-phase extraction and HPLC-photodiode array detection. <i>Journal of Pharmaceutical and Toxicological Methods</i> , 2012 , 66, 29-34	1.7	8
395	PEGylated nanoparticles bind to and alter amyloid-beta peptide conformation: toward engineering of functional nanomedicines for Alzheimer's disease. <i>ACS Nano</i> , 2012 , 6, 5897-908	16.7	141
394	Lipid conjugated oligonucleotides: a useful strategy for delivery. <i>Bioconjugate Chemistry</i> , 2012 , 23, 1091-1094	6.94	114
393	Quantification of tetramethyl-terephthalic acid in rat liver, spleen and urine matrices by liquid-liquid phase extraction and HPLC-photodiode array detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012 , 67-68, 98-103	3.5	4
392	Small-Angle X-ray Scattering Investigations of Biomolecular Confinement, Loading, and Release from Liquid-Crystalline Nanochannel Assemblies. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 445-57	6.4	80
391	Self-assembled squalenoylated penicillin bioconjugates: an original approach for the treatment of intracellular infections. <i>ACS Nano</i> , 2012 , 6, 3820-31	16.7	100
390	Fe ₃ O ₄ /chitosan nanocomposite for magnetic drug targeting to cancer. <i>Journal of Materials Chemistry</i> , 2012 , 22, 7622		114
389	Metal-organic frameworks in biomedicine. <i>Chemical Reviews</i> , 2012 , 112, 1232-68	68.1	3131
388	Use of solvent effects to improve control over nitroxide-mediated polymerization of isoprene. <i>Macromolecular Rapid Communications</i> , 2012 , 33, 805-10	4.8	33
387	Preparation and characterization of biocompatible chitosan nanoparticles for targeted brain delivery of peptides. <i>Methods in Molecular Biology</i> , 2012 , 846, 321-32	1.4	12
386	Versatile and efficient targeting using a single nanoparticulate platform: application to cancer and Alzheimer's disease. <i>ACS Nano</i> , 2012 , 6, 5866-79	16.7	113
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