

# Jean-Marie Devoisselle

## 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.

120  
papers

4,260  
citations

32  
h-index

62  
g-index

130  
ext. papers

4,722  
ext. citations

5.7  
avg, IF

5.14  
L-index

#	Paper	IF	Citations
120	Nanoheterostructures based on nanosized Prussian blue and its Analogues: Design, properties and applications. <i>Coordination Chemistry Reviews</i> , <b>2022</b> , 461, 214497	23.2	3
119	A rational study of the influence of Mn-insertion in Prussian blue nanoparticles on their photothermal properties. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 9670-9683	7.3	0
118	Nanotechnologies for Intracellular Protein Delivery: Recent Progress in Inorganic and Organic Nanocarriers. <i>Advanced Therapeutics</i> , <b>2021</b> , 4, 2100009	4.9	5
117	A Novel Approach to the Facile Growth and Organization of Photothermal Prussian Blue Nanocrystals on Different Surfaces. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	1
116	Vegetable oil-based hybrid microparticles as a green and biocompatible system for subcutaneous drug delivery. <i>International Journal of Pharmaceutics</i> , <b>2021</b> , 592, 120070	6.5	0
115	Vegetable Oil-based Hybrid Submicron Particles Loaded with JMV5038: A Promising Formulation against Melanoma. <i>Journal of Pharmaceutical Sciences</i> , <b>2021</b> , 110, 1197-1205	3.9	
114	Interest of extracellular vesicles in regards to lipid nanoparticle based systems for intracellular protein delivery. <i>Advanced Drug Delivery Reviews</i> , <b>2021</b> , 176, 113837	18.5	7
113	Encapsulation of BSA in hybrid PEG hydrogels: stability and controlled release.. <i>RSC Advances</i> , <b>2021</b> , 11, 30887-30897	3.7	1
112	Recent advances and prospects in nano drug delivery systems using lipopolyoxazolines. <i>International Journal of Pharmaceutics</i> , <b>2020</b> , 585, 119536	6.5	7
111	Synergic effect of doxorubicin release and two-photon irradiation of Mn-doped Prussian blue nanoparticles on cancer therapy.. <i>RSC Advances</i> , <b>2020</b> , 10, 2646-2649	3.7	8
110	Polyoxazolines based lipid nanocapsules for topical delivery of antioxidants. <i>International Journal of Pharmaceutics</i> , <b>2020</b> , 579, 119126	6.5	7
109	Post-production modifications of murine mesenchymal stem cell (mMSC) derived extracellular vesicles (EVs) and impact on their cellular interaction. <i>Biomaterials</i> , <b>2020</b> , 231, 119675	15.6	27
108	Synthesis and Properties of New Multilayer Chitosan@layered Double Hydroxide/Drug Loaded Phospholipid Bilayer Nanocomposite Bio-Hybrids. <i>Materials</i> , <b>2020</b> , 13,	3.5	3
107	A simple approach for controlled deposition of Prussian blue analogue nanoparticles on a functionalised plasmonic gold surface. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 3660-3664	3.6	4
106	Polyoxazolines based mixed micelles as PEG free formulations for an effective quercetin antioxidant topical delivery. <i>International Journal of Pharmaceutics</i> , <b>2019</b> , 570, 118516	6.5	12
105	Tunable vegetable oil/silica hybrid microparticles for poorly water-soluble drug delivery. <i>International Journal of Pharmaceutics</i> , <b>2019</b> , 567, 118478	6.5	7
104	Combining sol-gel and microfluidics processes for the synthesis of protein-containing hybrid microgels. <i>Chemical Communications</i> , <b>2019</b> , 55, 13112-13115	5.8	6

103	Liposomes, lipid nanocapsules and smartCrystals $\square$ : A comparative study for an effective quercetin delivery to the skin. <i>International Journal of Pharmaceutics</i> , <b>2018</b> , 542, 176-185	6.5	28
102	Biosafety of Mesoporous Silica Nanoparticles. <i>Biomimetics</i> , <b>2018</b> , 3,	3.7	8
101	Experimental separation steps influence the protein content of corona around mesoporous silica nanoparticles. <i>Nanoscale</i> , <b>2017</b> , 9, 5769-5772	7.7	27
100	Cross-Linked Castor Oil-Based Hybrid Microparticles as Drug Delivery Systems. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 4311-4319	8.3	19
99	Dermal quercetin lipid nanocapsules: Influence of the formulation on antioxidant activity and cellular protection against hydrogen peroxide. <i>International Journal of Pharmaceutics</i> , <b>2017</b> , 518, 167-176	6.5	41
98	Biocompatibility assessment of functionalized magnetic mesoporous silica nanoparticles in human HepaRG cells. <i>Nanotoxicology</i> , <b>2017</b> , 11, 871-890	5.3	19
97	Biological Fate of Fe <sub>3</sub> O <sub>4</sub> Core-Shell Mesoporous Silica Nanoparticles Depending on Particle Surface Chemistry. <i>Nanomaterials</i> , <b>2017</b> , 7,	5.4	19
96	The species origin of the serum in the culture medium influences the in vitro toxicity of silica nanoparticles to HepG2 cells. <i>PLoS ONE</i> , <b>2017</b> , 12, e0182906	3.7	24
95	201Tl-labeled Prussian blue and Au@Prussian blue nanoprobe for SPECT-CT imaging: influence of the size, shape and coating on the biodistribution. <i>Inorganic Chemistry Frontiers</i> , <b>2017</b> , 4, 1737-1741	6.8	7
94	Tripartite polyionic complex (PIC) micelles as non-viral vectors for mesenchymal stem cell siRNA transfection. <i>Biomaterials Science</i> , <b>2017</b> , 5, 1910-1921	7.4	19
93	Microgels of silylated HPMC as a multimodal system for drug co-encapsulation. <i>International Journal of Pharmaceutics</i> , <b>2017</b> , 532, 790-801	6.5	13
92	Implication of Water Molecules at the Silica/Ibuprofen Interface in Silica-Based Drug Delivery Systems Obtained through Incipient Wetness Impregnation. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 26833-26839	3.8	17
91	The timeline of corona formation around silica nanocarriers highlights the role of the protein interactome. <i>Nanoscale</i> , <b>2017</b> , 9, 1840-1851	7.7	45
90	Quercetin topical application, from conventional dosage forms to nanodosage forms. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2016</b> , 108, 41-53	5.7	55
89	Synthesis, decoration, and cellular effects of magnetic mesoporous silica nanoparticles. <i>RSC Advances</i> , <b>2016</b> , 6, 57275-57283	3.7	24
88	Formulation, physicochemical characterization and stability study of lithium-loaded microemulsion system. <i>International Journal of Pharmaceutics</i> , <b>2016</b> , 502, 117-24	6.5	15
87	The relevance of membrane models to understand nanoparticles-cell membrane interactions. <i>Nanoscale</i> , <b>2016</b> , 8, 4780-98	7.7	81
86	Self-encapsulation of a drug-containing ionic liquid into mesoporous silica monoliths or nanoparticles by a sol-gel process. <i>RSC Advances</i> , <b>2016</b> , 6, 82916-82923	3.7	9

85	Development of pharmaceutical clear gel based on Peceol <sup>®</sup> , lecithin, ethanol and water: Physicochemical characterization and stability study. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 457, 152-61	9.3	9
84	Versatile polyion complex micelles for peptide and siRNA vectorization to engineer tolerogenic dendritic cells. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2015</b> , 92, 216-27	5.7	5
83	Surfactant behavior of ionic liquids involving a drug: from molecular interactions to self-assembly. <i>Langmuir</i> , <b>2014</b> , 30, 1229-38	4	53
82	Water solubilization capacity of pharmaceutical microemulsions based on Peceol <sup>®</sup> , lecithin and ethanol. <i>International Journal of Pharmaceutics</i> , <b>2014</b> , 475, 324-34	6.5	17
81	Phase behavior of reverse microemulsions based on Peceol(®). <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 416, 139-46	9.3	22
80	Drug delivery systems based on pharmaceutically active ionic liquids and biocompatible poly(lactic acid). <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 3133-3141	7.3	19
79	21. Voltage- and calcium-dependent translocation of Bordetella pertussis adenylate cyclase (CyaA) toxin across a tethered lipid bilayer. <i>Toxicon</i> , <b>2014</b> , 91, 173	2.8	
78	Polymeric micelles based on poly(methacrylic acid) block-containing copolymers with different membrane destabilizing properties for cellular drug delivery. <i>International Journal of Pharmaceutics</i> , <b>2013</b> , 454, 611-20	6.5	12
77	Bordetella pertussis adenylate cyclase toxin translocation across a tethered lipid bilayer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 20473-8	11.5	40
76	Encapsulation of complementary model drugs in spray-dried nanostructured materials. <i>Journal of Sol-Gel Science and Technology</i> , <b>2013</b> , 68, 307-316	2.3	9
75	Ladder-like aminopropylsilsesquioxane. A nice alternative for controlled drug delivery. <i>RSC Advances</i> , <b>2013</b> , 3, 8160	3.7	0
74	Probing the mobility of ibuprofen confined in MCM-41 materials using MAS-PFG NMR and hyperpolarised-(129)Xe NMR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 18805-8	3.6	23
73	New solid lipid microparticles for controlled ibuprofen release: formulation and characterization study. <i>International Journal of Pharmaceutics</i> , <b>2012</b> , 422, 59-67	6.5	27
72	Sol-gel one-pot synthesis in soft conditions of mesoporous silica materials ready for drug delivery system. <i>Journal of Sol-Gel Science and Technology</i> , <b>2012</b> , 61, 455-462	2.3	28
71	Thick collagen-based 3D matrices including growth factors to induce neurite outgrowth. <i>Acta Biomaterialia</i> , <b>2012</b> , 8, 3302-12	10.8	16
70	Drug nano-domains in spray-dried ibuprofen-silica microspheres. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 12285-94	3.6	15
69	One step synthesis of gold-loaded radial mesoporous silica nanospheres and supported lipid bilayer functionalization: towards bio-multifunctional sensors. <i>Small</i> , <b>2012</b> , 8, 3674-82	11	18
68	Self-assembling peptide-based nanoparticles for siRNA delivery in primary cell lines. <i>Small</i> , <b>2012</b> , 8, 2184-8	11	31

67	Development of tripartite polyion micelles for efficient peptide delivery into dendritic cells without altering their plasticity. <i>Journal of Controlled Release</i> , <b>2011</b> , 154, 156-63	11.7	16
66	Surfactant properties of ionic liquids containing short alkyl chain imidazolium cations and ibuprofenate anions. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 15523-9	3.6	44
65	Synthesis and characterization of crystalline structures based on phenylboronate ligands bound to alkaline earth cations. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 7802-10	5.1	34
64	Nitrogen sorption as a tool for the characterisation of polysaccharide aerogels. <i>Carbohydrate Polymers</i> , <b>2011</b> , 85, 44-53	10.3	56
63	Tuning nanophase separation and drug delivery kinetics through spray drying and self-assembly. <i>New Journal of Chemistry</i> , <b>2010</b> , 34, 607	3.6	11
62	Ionogels as drug delivery system: one-step sol-gel synthesis using imidazolium ibuprofenate ionic liquid. <i>Chemical Communications</i> , <b>2010</b> , 46, 228-30	5.8	136
61	Grafting of monoglyceride molecules for the design of hydrophilic and stable porous silicon surfaces. <i>New Journal of Chemistry</i> , <b>2010</b> , 34, 29-33	3.6	10
60	Synthesis of polyoxazolines using glycerol carbonate derivative and end chains functionalization via carbonate and isocyanate routes. <i>Journal of Polymer Science Part A</i> , <b>2010</b> , 48, 4027-4035	2.5	28
59	Solid-state NMR characterization of drug-model molecules encapsulated in MCM-41 silica. <i>Pure and Applied Chemistry</i> , <b>2009</b> , 81, 1345-1355	2.1	42
58	pH-sensitive double-hydrophilic block copolymer micelles for biological applications. <i>International Journal of Pharmaceutics</i> , <b>2009</b> , 379, 212-7	6.5	28
57	New approach for the selective chemical functionalization of porous silicon films with organic monolayers. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2009</b> , 206, 1326-1329	1.6	5
56	The control of dendritic cell maturation by pH-sensitive polyion complex micelles. <i>Biomaterials</i> , <b>2009</b> , 30, 233-41	15.6	38
55	New Layered Double Hydroxides/Phospholipid Bilayer Hybrid Material with Strong Potential for Sustained Drug Delivery System. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 2679-2687	9.6	52
54	Tripartite siRNA micelles as controlled delivery systems for primary dendritic cells. <i>Drug Development and Industrial Pharmacy</i> , <b>2009</b> , 35, 950-8	3.6	9
53	Density functional theory-based conformational analysis of a phospholipid molecule (dimyristoyl phosphatidylcholine). <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 13433-42	3.4	36
52	Lipid thermodynamics: melting is molecular. <i>ChemPhysChem</i> , <b>2008</b> , 9, 2321-4	3.2	17
51	Confinement of Thermoresponsive Hydrogels in Nanostructured Porous Silicon Dioxide Templates. <i>Advanced Functional Materials</i> , <b>2007</b> , 17, 1153-1162	15.6	100
50	Continuous planar phospholipid bilayer supported on porous silicon thin film reflector. <i>Ultramicroscopy</i> , <b>2007</b> , 107, 1048-52	3.1	24

49	Potentialities of silica/alginate nanoparticles as hybrid magnetic carriers. <i>International Journal of Pharmaceutics</i> , <b>2007</b> , 344, 128-34	6.5	39
48	Liposil, a promising composite material for drug storage and release. <i>Journal of Controlled Release</i> , <b>2007</b> , 118, 1-6	11.7	52
47	Triggered release of aqueous content from liposome-derived sol-gel nanocapsules. <i>Langmuir</i> , <b>2007</b> , 23, 12024-31	4	32
46	Pillaring effects in macroporous carrageenan-silica composite microspheres. <i>Journal of Colloid and Interface Science</i> , <b>2006</b> , 294, 109-16	9.3	31
45	Solid-State NMR Study of Ibuprofen Confined in MCM-41 Material. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 6382-6390	9.9	222
44	Magnetic nanoparticles and their applications in medicine. <i>Nanomedicine</i> , <b>2006</b> , 1, 157-68	5.6	279
43	Fluorescence imaging method for in vivo pH monitoring during liposomes uptake in rat liver using a pH-sensitive fluorescent dye. <i>Journal of Biomedical Optics</i> , <b>2005</b> , 10, 024008	3.5	10
42	Hierarchical Macroporosity Induced by Constrained Syneresis in Core/Shell Polysaccharide Composites. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 4693-4699	9.6	38
41	Polyelectrolyte complex formation between iota-carrageenan and poly(L-lysine) in dilute aqueous solutions: a spectroscopic and conformational study. <i>Carbohydrate Polymers</i> , <b>2004</b> , 55, 37-45	10.3	35
40	Porous Chitosan-Silica Hybrid Microspheres as a Potential Catalyst. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 3367-3372	13.6	136
39	Characterization of a phospholipid bilayer entrapped into non-porous silica nanospheres. <i>Journal of Materials Chemistry</i> , <b>2004</b> , 14, 1316-1320		37
38	Inclusion of ibuprofen in mesoporous templated silica: drug loading and release property. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2004</b> , 57, 533-40	5.7	420
37	The potential of ordered mesoporous silica for the storage of drugs: the example of a pentapeptide encapsulated in a MSU-tween 80. <i>ChemPhysChem</i> , <b>2003</b> , 4, 281-6	3.2	86
36	Site-specific methylene blue delivery to pilosebaceous structures using highly porous nylon microspheres: an experimental evaluation. <i>Lasers in Surgery and Medicine</i> , <b>2003</b> , 33, 119-25	3.6	39
35	Synthesis and characterisation of ibuprofen-anchored MCM-41 silica and silica gel. <i>New Journal of Chemistry</i> , <b>2003</b> , 27, 1415-1418	3.6	73
34	Preparation and characterization of siliceous material using liposomes as template. <i>Chemical Communications</i> , <b>2003</b> , 640-1	5.8	49
33	On-line direct determination of the second virial coefficient of a natural polysaccharide using size-exclusion chromatography and multi-angle laser light scattering. <i>Journal of Chromatography A</i> , <b>2002</b> , 943, 147-52	4.5	25
32	Noninvasive fluorescent study in situ and in real time of glucose effects on the pharmacokinetic of calcein. <i>Journal of Biomedical Optics</i> , <b>2002</b> , 7, 609-12	3.5	7

31	Experimental evaluation of site-specific delivery of methylene blue to the hair follicles using fluorescence imaging <b>2002</b> , 4609, 37		1
30	Study of platelet behavior in vivo after endothelial stimulation with laser irradiation using fluorescence intravital videomicroscopy and PEGylated liposome staining. <i>Microvascular Research</i> , <b>2002</b> , 64, 316-25	3.7	20
29	In vivo behaviour of long-circulating liposomes in blood vessels in hamster inflammation and septic shock models-use of intravital fluorescence microscopy. <i>Luminescence</i> , <b>2001</b> , 16, 73-8	2.5	11
28	Relationship between conformation of polysaccharides -in the dilute regime and their interaction with a phospholipid bilayer. <i>Luminescence</i> , <b>2001</b> , 16, 109-16	2.5	6
27	Behavior of platelets stained by 5,6-CF-encapsulated PEGylated liposomes after laser irradiation of vessel wall: an in-vivo model for studying site-selective delivery of diagnostic or therapeutic agents <b>2001</b> , 4260, 20		
26	Fluorescence properties and metabolic features of indocyanine green (ICG) as related to angiography. <i>Survey of Ophthalmology</i> , <b>2000</b> , 45, 15-27	6.1	493
25	In Vivo Application of Intestinal pH Measurement Using 2,7Bis(carboxyethyl)-5,6-carboxyfluorescein (BCECF) Fluorescence Imaging. <i>Photochemistry and Photobiology</i> , <b>1999</b> , 70, 813-819	3.6	8
24	Diode laser-induced thermal damage evaluation on the retina with a liposome dye system. <i>Lasers in Surgery and Medicine</i> , <b>1999</b> , 24, 61-8	3.6	15
23	Quantitative fluorescein angiography following diode laser retinal photocoagulation. <i>Lasers in Surgery and Medicine</i> , <b>1999</b> , 24, 338-45	3.6	3
22	A preliminary study of the in vivo behaviour of an emulsion formulation of indocyanine green. <i>Lasers in Medical Science</i> , <b>1998</b> , 13, 279-82	3.1	21
21	Laser-Induced Release of Liposome-Encapsulated Dye: A New Diagnostic Tool. <i>Lasers in Medical Science</i> , <b>1998</b> , 13, 181-188	3.1	12
20	Liquid Crystals and Colloids in WaterAmiodarone Systems. <i>Langmuir</i> , <b>1998</b> , 14, 542-546	4	16
19	Indocyanine green: physicochemical factors affecting its fluorescence in vivo. <i>Microvascular Research</i> , <b>1998</b> , 55, 146-52	3.7	183
18	Thermal damage assessment of blood vessels in a hamster skin flap model by fluorescence measurement of a liposome-dye system. <i>Lasers in Surgery and Medicine</i> , <b>1997</b> , 20, 131-41	3.6	17
17	Selective laser photocoagulation of blood vessels in a hamster skin flap model using a specific ICG formulation. <i>Lasers in Surgery and Medicine</i> , <b>1997</b> , 21, 365-73	3.6	25
16	Influence of Two Salicylate Components on the Particle Size of an Oil-in-Water Emulsion with Nonionic Surfactants. <i>Drug Development and Industrial Pharmacy</i> , <b>1996</b> , 22, 1193-1199	3.6	1
15	Fluorescent characteristics and pharmacokinetic profiles of the fluorescent probe BCECF in various tissues: the role of blood content. <i>Photochemistry and Photobiology</i> , <b>1996</b> , 64, 906-10	3.6	5
14	Fluorescence measurement of 805 nm laser-induced release of 5,6-CF from DSPC liposomes for real-time monitoring of temperature: an in vivo study in rat liver using indocyanine green potentiation. <i>Lasers in Surgery and Medicine</i> , <b>1996</b> , 18, 265-70	3.6	5



13	Fluorescence spectroscopy of pH in vivo using a dual-emission fluorophore (C-SNAFL-1). <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>1995</b> , 28, 19-23	6.7	26
12	Effect of indocyanin green formulation on blood clearance and in vivo fluorescence kinetic profile of skin <b>1995</b> , 2627, 100		6
11	Fluorescence of experimental endometriosis in rabbits, using tamoxifen-eosin association. <i>Human Reproduction</i> , <b>1995</b> , 10, 927-31	5.7	2
10	In-vivo and ex-vivo spectrofluorometric and imaging study of liposome uptake by the liver using a pH-sensitive probe <b>1995</b> , 2387, 124		1
9	Laser-induced release of liposome-encapsulated dye to monitor tissue temperature: a preliminary in vivo study. <i>Lasers in Surgery and Medicine</i> , <b>1995</b> , 16, 246-52	3.6	11
8	In vivo pH measurement and imaging of tumor tissue using a pH-sensitive fluorescent probe (5,6-carboxyfluorescein): instrumental and experimental studies. <i>Photochemistry and Photobiology</i> , <b>1994</b> , 60, 274-9	3.6	62
7	In-vivo fluorescence imaging of normal and tumorous tissue using a pH-sensitive probe <b>1994</b> , 2135, 56		
6	Measurement of in vivo tumorous/normal tissue pH by localized spectroscopy using a fluorescent marker. <i>Optical Engineering</i> , <b>1993</b> , 32, 239	1.1	14
5	Characterization of tumorous and normal tissue using a pH-sensitive fluorescence indicator (5,6-carboxyfluorescein) in vivo. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>1992</b> , 13, 307-14	6.7	22
4	Liposomes containing fluorinated steroids: an analysis based on photon correlation and fluorine-19 nuclear magnetic resonance spectroscopy. <i>Journal of Pharmaceutical Sciences</i> , <b>1992</b> , 81, 249-54	3.9	12
3	A preliminary study of tumour detection by a pH-dependent fluorescent probe in vivo. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>1991</b> , 9, 219-28	6.7	6
2	Liposome-mediated delivery of gadolinium-diethylenetriaminopentaacetic acid to hepatic cells: a P-31 NMR study. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>1989</b> , 250, 1113-8	4.7	5
1	Entrapment of gadolinium-DTPA in liposomes. Characterization of vesicles by P-31 NMR spectroscopy. <i>Investigative Radiology</i> , <b>1988</b> , 23, 719-24	10.1	26