Emilie Munnier

List of Publications by Year
in descending order

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43 papers	1,456 citations	430874 18 h-index	315739 38 g-index
43 all docs	43 docs citations	43 times ranked	2573 citing authors

#	Article	IF	Citations
1	Comparative study of doxorubicin-loaded poly(lactide-co-glycolide) nanoparticles prepared by single and double emulsion methods. European Journal of Pharmaceutics and Biopharmaceutics, 2007, 66, 488-492.	4.3	169
2	Novel method of doxorubicinâ€“SPION reversible association for magnetic drug targeting. International Journal of Pharmaceutics, 2008, 363, 170-176.	5.2	133
3	Recent advances in theranostic nanocarriers of doxorubicin based on iron oxide and gold nanoparticles. Journal of Controlled Release, 2013, 169, 48-61.	9.9	120
4	The development of stable aqueous suspensions of PEGylated SPIONs for biomedical applications. Nanotechnology, 2008, 19, 465608.	2.6	113
5	A pharmaceutical study of doxorubicin-loaded PEGylated nanoparticles for magnetic drug targeting. International Journal of Pharmaceutics, 2012, 423, 16-25.	5.2	101
6	Optimization of iron oxide nanoparticles encapsulation within poly(d,l-lactide-co-glycolide) sub-micron particles. European Journal of Pharmaceutics and Biopharmaceutics, 2007, 67, 31-38.	4.3	95
7	Nanovectors for anticancer agents based on superparamagnetic iron oxide nanoparticles. International Journal of Nanomedicine, 2007, 2, 541-50.	6.7	95
8	Pegylated magnetic nanocarriers for doxorubicin delivery: A quantitative determination of stealthiness in vitro and in vivo. European Journal of Pharmaceutics and Biopharmaceutics, 2012, 81, 498-505.	4.3	62
9	Synthesis and Evaluation of Novel Biocompatible Super-paramagnetic Iron Oxide Nanoparticles as Magnetic Anticancer Drug Carrier and Fluorescence Active Label. Journal of Physical Chemistry C, 2010, 114, 5850-5858.	3.1	53
10	Polymer-Based Smart Drug Delivery Systems for Skin Application and Demonstration of Stimuli-Responsiveness. Polymers, 2021, 13, 1285.	4.5	52
11	Formulation and in vitro evaluation of a siRNA delivery nanosystem decorated with gH625 peptide for triple negative breast cancer theranosis. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 131, 99-108.	4.3	41
12	Doxorubicin delivered to MCF-7 cancer cells by superparamagnetic iron oxide nanoparticles: effects on subcellular distribution and cytotoxicity. Journal of Nanoparticle Research, 2011, 13, 959-971.	1.9	33
13	SERS spectroscopic approach to study doxorubicin complexes with Fe2+ ions and drug release from SPION-based nanocarriers. Analyst, The, 2013, 138, 7354.	3.5	33
14	Novel alginate-based nanocarriers as a strategy to include high concentrations of hydrophobic compounds in hydrogels for topical application. Nanotechnology, 2015, 26, 255101.	2.6	31
15	ATR-IR spectroscopy for rapid quantification of water content in deep eutectic solvents. Journal of Molecular Liquids, 2020, 311, 113361.	4.9	28
16	Toward multifunctional hybrid platforms for tissue engineering based on chitosan(PEO) nanofibers functionalized by bare laser-synthesized Au and Si nanoparticles. RSC Advances, 2017, 7, 31759-31766.	3.6	27
17	On the Interaction of Doxorubicin with Oleate Ions: Fluorescence Spectroscopy and Liquid-Liquid Extraction Study. Chemical and Pharmaceutical Bulletin, 2007, 55, 1006-1010.	1.3	26
18	gH625 Cell-Penetrating Peptide Promotes the Endosomal Escape of Nanovectorized siRNA in a Triple-Negative Breast Cancer Cell Line. Biomacromolecules, 2019, 20, 3076-3086.	5.4	20

#	Article	IF	Citations
19	Versatile electrostatically assembled polymeric siRNA nanovectors: Can they overcome the limits of siRNA tumor delivery?. International Journal of Pharmaceutics, 2019, 567, 118432.	5.2	19
20	Quantitative analysis of curcumin-loaded alginate nanocarriers in hydrogels using Raman and attenuated total reflection infrared spectroscopy. Analytical and Bioanalytical Chemistry, 2017, 409, 4593-4605.	3.7	19
21	Confocal Raman spectroscopic imaging for in vitro monitoring of active ingredient penetration and distribution in reconstructed human epidermis model. Journal of Biophotonics, 2018, 11, e201700221.	2.3	18
22	Spirulina platensis sustainable lipid extracts in alginate-based nanocarriers: An algal approach against biofilms. Algal Research, 2019, 37, 160-168.	4.6	18
23	On the interaction of alginate-based core-shell nanocarriers with keratinocytes in vitro. Colloids and Surfaces B: Biointerfaces, 2016, 142, 272-280.	5.0	14
24	Qualitative and Quantitative Study of the Potential of Lipid Nanocapsules of One Hundred Twenty Nanometers for the Topical Administration of Hydrophobic Molecules. Journal of Pharmaceutical Sciences, 2016, 105, 3191-3198.	3.3	12
25	Influence of PLGA nanoparticles on the deposition of model water-soluble biocompatible polymers by dip coating. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 608, 125591.	4.7	12
26	Comparison of Raman and attenuated total reflectance (ATR) infrared spectroscopy for water quantification in natural deep eutectic solvent. Analytical and Bioanalytical Chemistry, 2021, 413, 4785-4799.	3.7	12
27	Analysis of doxorubicin distribution in MCF-7 cells treated with drug-loaded nanoparticles by combination of two fluorescence-based techniques, confocal spectral imaging and capillary electrophoresis. Analytical and Bioanalytical Chemistry, 2015, 407, 3425-3435.	3.7	11
28	Raman mapping coupled to selfâ€modelling <scp>MCRâ€ALS</scp> analysis to estimate active cosmetic ingredient penetration profile in skin. Journal of Biophotonics, 2020, 13, e202000136.	2.3	11
29	Freezing Weakens the Barrier Function of Reconstructed Human Epidermis as Evidenced by Raman Spectroscopy and Percutaneous Permeation. Pharmaceutics, 2020, 12, 1041.	4.5	9
30	Estimating the Analytical Performance of Raman Spectroscopy for Quantification of Active Ingredients in Human Stratum Corneum. Molecules, 2022, 27, 2843.	3.8	9
31	Lipidâ€based submicron capsules as a strategy to include high concentrations of a hydrophobic lightening agent in a hydrogel. International Journal of Cosmetic Science, 2017, 39, 450-456.	2.6	8
32	Homogeneous distribution of fatty esterâ€based active cosmetic ingredients in hydrophilic thin films by means of nanodispersion. International Journal of Cosmetic Science, 2020, 42, 512-519.	2.6	8
33	Three-Step Synthesis of a Redox-Responsive Blend of PEGâ€“blockâ€“PLA and PLA and Application to the Nanoencapsulation of Retinol. Polymers, 2020, 12, 2350.	4.5	7
34	ATR-IR coupled to partial least squares regression (PLSR) for monitoring an encapsulated active molecule in complex semi-solid formulations. Analyst, The, 2018, 143, 2377-2389.	3.5	6
35	Nanovectorized Microalgal Extracts to Fight Candida albicans and Cutibacterium acnes Biofilms: Impact of Dual-Species Conditions. Antibiotics, 2020, 9, 279.	3.7	6
36	Monitoring dermal penetration and permeation kinetics of topical products; the role of Raman microspectroscopy. TrAC - Trends in Analytical Chemistry, 2022, 156, 116709.	11.4	6

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37	Quantification of low-content encapsulated active cosmetic ingredients in complex semi-solid formulations by means of attenuated total reflectance-infrared spectroscopy. Analytical and Bioanalytical Chemistry, 2020, 412, 159-169.	3.7	5
38	In Situ Water Quantification in Natural Deep Eutectic Solvents Using Portable Raman Spectroscopy. Molecules, 2021, 26, 5488.	3.8	5
39	Confocal Raman Spectroscopic Imaging for Evaluation of Distribution of Nano-Formulated Hydrophobic Active Cosmetic Ingredients in Hydrophilic Films. Molecules, 2021, 26, 7440.	3.8	5
40	Highlighting the efficiency of ultrasoundâ€based emulsifierâ€free emulsions to penetrate reconstructed human skin. International Journal of Cosmetic Science, 2022, , .	2.6	2
41	Bare laser-synthesized Si nanoparticles as functional elements for chitosan nanofiber-based tissue engineering platforms. , 2018, , .		1
42	Monitoring water content in NADES extracts from Spirulina biomass by means of ATR-IR spectroscopy. Analytical Methods, 2022, , .	2.7	1
43	Fluorescence Microscopy as a Tool for Nanomedicine-Cell Interactions Study: Input of Particle Design and of Analytical Strategy. Microscopy and Microanalysis, 2018, 24, 1316-1317.	0.4	0