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List of Publications by Year in descending order

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42
papers

2,064
citations

257450

24
h-index

265206

42
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all docs

42
docs citations

42
times ranked

3484
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular composition of iron oxide nanoparticles, precursors for magnetic drug targeting, as characterized by confocal Raman microspectroscopy. <i>Analyst, The</i> , 2005, 130, 1395.	3.5	304
2	Comparative study of doxorubicin-loaded poly(lactide-co-glycolide) nanoparticles prepared by single and double emulsion methods. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2007, 66, 488-492.	4.3	169
3	Novel method of doxorubicin-SPION reversible association for magnetic drug targeting. <i>International Journal of Pharmaceutics</i> , 2008, 363, 170-176.	5.2	133
4	Recent advances in theranostic nanocarriers of doxorubicin based on iron oxide and gold nanoparticles. <i>Journal of Controlled Release</i> , 2013, 169, 48-61.	9.9	120
5	The development of stable aqueous suspensions of PEGylated SPIONs for biomedical applications. <i>Nanotechnology</i> , 2008, 19, 465608.	2.6	113
6	Magnetic Nanocarriers of Doxorubicin Coated with Poly(ethylene glycol) and Folic Acid: Relation between Coating Structure, Surface Properties, Colloidal Stability, and Cancer Cell Targeting. <i>Langmuir</i> , 2012, 28, 1496-1505.	3.5	111
7	A pharmaceutical study of doxorubicin-loaded PEGylated nanoparticles for magnetic drug targeting. <i>International Journal of Pharmaceutics</i> , 2012, 423, 16-25.	5.2	101
8	Optimization of iron oxide nanoparticles encapsulation within poly(d,l-lactide-co-glycolide) sub-micron particles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2007, 67, 31-38.	4.3	95
9	Nanovectors for anticancer agents based on superparamagnetic iron oxide nanoparticles. <i>International Journal of Nanomedicine</i> , 2007, 2, 541-50.	6.7	95
10	Poly(ethylene glycol)-stabilized silver nanoparticles for bioanalytical applications of SERS spectroscopy. <i>Analyst, The</i> , 2009, 134, 1868.	3.5	82
11	Development and characterization of sub-micron poly(d,l-lactide-co-glycolide) particles loaded with magnetite/maghemite nanoparticles. <i>International Journal of Pharmaceutics</i> , 2005, 302, 187-196.	5.2	80
12	Pegylated magnetic nanocarriers for doxorubicin delivery: A quantitative determination of stealthiness in vitro and in vivo. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 81, 498-505.	4.3	62
13	Effect of sample viscosity in high-performance size-exclusion chromatography and its control. <i>Journal of Chromatography A</i> , 1991, 550, 705-719.	3.7	54
14	Synthesis and Evaluation of Novel Biocompatible Super-paramagnetic Iron Oxide Nanoparticles as Magnetic Anticancer Drug Carrier and Fluorescence Active Label. <i>Journal of Physical Chemistry C</i> , 2010, 114, 5850-5858.	3.1	53
15	Monitoring of an experimental red blood cell pathology with gravitational field-flow fractionation. <i>Biomedical Applications</i> , 1992, 579, 73-83.	1.7	45
16	New procedure for selective extraction of polycyclic aromatic hydrocarbons in plants for gas chromatographic-mass spectrometric analysis. <i>Journal of Chromatography A</i> , 2002, 958, 1-7.	3.7	44
17	A practical description of retention in reversed phase chromatography using four parameters. <i>Chromatographia</i> , 1989, 27, 5-14.	1.3	33
18	Aligned fiber columns for size-exclusion chromatography. <i>Journal of Chromatography A</i> , 1990, 506, 303-317.	3.7	33

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19	Doxorubicin delivered to MCF-7 cancer cells by superparamagnetic iron oxide nanoparticles: effects on subcellular distribution and cytotoxicity. <i>Journal of Nanoparticle Research</i> , 2011, 13, 959-971.	1.9	33
20	Comparison of the results obtained with different models for the simulation of preparative chromatography. <i>Computers and Chemical Engineering</i> , 1990, 14, 1435-1443.	3.8	31
21	Novel alginate-based nanocarriers as a strategy to include high concentrations of hydrophobic compounds in hydrogels for topical application. <i>Nanotechnology</i> , 2015, 26, 255101.	2.6	31
22	Prediction of single and binary profiles in overloaded elution chromatography using various semi-ideal models. <i>Journal of Chromatography A</i> , 1991, 556, 205-218.	3.7	30
23	On the Interaction of Doxorubicin with Oleate Ions: Fluorescence Spectroscopy and Liquid-Liquid Extraction Study. <i>Chemical and Pharmaceutical Bulletin</i> , 2007, 55, 1006-1010.	1.3	26
24	Design strategies of hybrid metallic nanoparticles for theragnostic applications. <i>Nanotechnology</i> , 2013, 24, 432002.	2.6	26
25	gH625 Cell-Penetrating Peptide Promotes the Endosomal Escape of Nanovectorized siRNA in a Triple-Negative Breast Cancer Cell Line. <i>Biomacromolecules</i> , 2019, 20, 3076-3086.	5.4	20
26	Sample size and retention values in high-performance liquid chromatography of biological and synthetic polymers. <i>Journal of Chromatography A</i> , 1988, 458, 79-92.	3.7	18
27	On the interaction of alginate-based core-shell nanocarriers with keratinocytes in vitro. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 142, 272-280.	5.0	14
28	Theoretical study of multi-component interferences in non-linear chromatography. <i>Journal of Chromatography A</i> , 1989, 484, 103-124.	3.7	13
29	Qualitative and Quantitative Study of the Potential of Lipid Nanocapsules of One Hundred Twenty Nanometers for the Topical Administration of Hydrophobic Molecules. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 3191-3198.	3.3	12
30	Colloidal stability and thermo-responsive properties of iron oxide nanoparticles coated with polymers: advantages of Pluronic® F68+PEG mixture. <i>Nanotechnology</i> , 2013, 24, 395605.	2.6	11
31	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. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 3425-3435.	3.7	11
32	Analysis of anions in aqueous samples by ion chromatography and capillary electrophoresis. <i>Journal of Chromatography A</i> , 1999, 852, 487-498.	3.7	10
33	Daily validation procedure of chromatographic assay using gaussian exponential modelling. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1995, 13, 959-970.	2.8	9
34	Freezing Weakens the Barrier Function of Reconstructed Human Epidermis as Evidenced by Raman Spectroscopy and Percutaneous Permeation. <i>Pharmaceutics</i> , 2020, 12, 1041.	4.5	9
35	Estimating the Analytical Performance of Raman Spectroscopy for Quantification of Active Ingredients in Human Stratum Corneum. <i>Molecules</i> , 2022, 27, 2843.	3.8	9
36	Homogeneous distribution of fatty ester-based active cosmetic ingredients in hydrophilic thin films by means of nanodispersion. <i>International Journal of Cosmetic Science</i> , 2020, 42, 512-519.	2.6	8

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37	Pitfalls in the choice of isotherms for the calculation of band profiles in preparative chromatography. <i>Journal of Chromatography A</i> , 1991, 537, 497-506.	3.7	4
38	Polar bonded phases with adjusted hydrophobicity for hydrophobic interaction chromatography of proteins. <i>Fresenius Zeitschrift für Analytische Chemie</i> , 1987, 327, 34-34.	0.8	3
39	Effect of chronic trypanosomiasis on the bioavailability of \pm -difluoromethylornithine (DFMO) after oral administration: pharmacokinetics study on DFMO plasma levels in infected and noninfected mice using a high-performance liquid chromatography assay. <i>Parasitology Research</i> , 1997, 83, 386-389.	1.6	3
40	Two-step formulation of magnetic nanoprobe for microRNA capture. <i>RSC Advances</i> , 2022, 12, 7179-7188.	3.6	3
41	Highlighting the efficiency of ultrasound-based emulsifier-free emulsions to penetrate reconstructed human skin. <i>International Journal of Cosmetic Science</i> , 2022, , .	2.6	2
42	Monitoring water content in NADES extracts from <i>Spirulina</i> biomass by means of ATR-IR spectroscopy. <i>Analytical Methods</i> , 2022, , .	2.7	1