Kawthar Bouchemal

List of Publications by Year
in descending order

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78 papers	4,308 citations	136950 32 h-index	106344 65 g-index
82 all docs	82 docs citations	82 times ranked	5974 citing authors

#	Article	IF	Citations
1	Effect of micro- and nanoparticle shape on biological processes. Journal of Controlled Release, 2022, 342, 93-110.	9.9	37
2	Advances in the treatment of inflammatory bowel disease: Focus on polysaccharide nanoparticulate drug delivery systems. Advanced Drug Delivery Reviews, 2022, 181, 114101.	13.7	36
3	Role of the interactions of soft hyaluronan nanomaterials with CD44 and supported bilayer membranes in the cellular uptake. Colloids and Surfaces B: Biointerfaces, 2021, 205, 111916.	5.0	6
4	Real-time visualization of morphology-dependent self-motion of hyaluronic acid nanomaterials in water. International Journal of Pharmaceutics, 2021, 609, 121172.	5.2	4
5	Shape stability of ellipsoidal nanomaterials prepared by physical deformation. International Journal of Pharmaceutics, 2021, 609, 121178.	5.2	5
6	Trichomonas vaginalis Motility Is Blocked by Drug-Free Thermosensitive Hydrogel. ACS Infectious Diseases, 2020, 6, 114-123.	3.8	5
7	Î²-Glucan Grafted Microcapsule, a Tool for Studying the Immunomodulatory Effect of Microbial Cell Wall Polysaccharides. Bioconjugate Chemistry, 2019, 30, 1788-1797.	3.6	3
8	Topically Applied Chitosan-Coated Poly(isobutylcyanoacrylate) Nanoparticles Are Active Against Cutaneous Leishmaniasis by Accelerating Lesion Healing and Reducing the Parasitic Load. ACS Applied Bio Materials, 2019, 2, 2573-2586.	4.6	16
9	Hierarchically built hyaluronan nano-platelets have symmetrical hexagonal shape, flattened surfaces and controlled size. European Journal of Pharmaceutical Sciences, 2019, 133, 251-263.	4.0	9
10	Combination of amphotericin B and chitosan platelets for the treatment of experimental cutaneous leishmaniasis: Histological and immunohistochemical examinations. Journal of Drug Delivery Science and Technology, 2019, 50, 34-41.	3.0	9
11	Autoassemblies of Î±-Cyclodextrin and Grafted Polysaccharides: Crystal Structure and Specific Properties of the Platelets. Journal of Physical Chemistry B, 2018, 122, 6055-6063.	2.6	16
12	Phase solubility studies and anti-Trichomonas vaginalis activity evaluations of metronidazole and methylated Î²-cyclodextrin complexes: Comparison of CRYSMEB and RAMEB. Experimental Parasitology, 2018, 189, 72-75.	1.2	10
13	Hierarchical supramolecular platelets from hydrophobically-modified polysaccharides and Î±-cyclodextrin: Effect of hydrophobization and Î±-cyclodextrin concentration on platelet formation. International Journal of Pharmaceutics, 2018, 548, 227-236.	5.2	11
14	Surface-dependent endocytosis of poly(isobutylcyanoacrylate) nanoparticles by Trichomonas vaginalis. International Journal of Pharmaceutics, 2018, 548, 276-287.	5.2	18
15	New insights on the structure of hexagonally faceted platelets from hydrophobically modified chitosan and Î±-cyclodextrin. International Journal of Pharmaceutics, 2018, 548, 23-33.	5.2	10
16	Supramolecular Chitosan Micro-Platelets Synergistically Enhance Anti-Candida albicans Activity of Amphotericin B Using an Immunocompetent Murine Model. Pharmaceutical Research, 2017, 34, 1067-1082.	3.5	24
17	Cyclodextrin-mediated self-associating chitosan micro-platelets act as a drug booster against Candida glabrata mucosal infection in immunocompetent mice. International Journal of Pharmaceutics, 2017, 519, 381-389.	5.2	13
18	M48U1 and Tenofovir combination synergistically inhibits HIV infection in activated PBMCs and human cervicovaginal histocultures. Scientific Reports, 2017, 7, 41018.	3.3	9

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19	Strategies for Prevention and Treatment of Trichomonas vaginalis Infections. Clinical Microbiology Reviews, 2017, 30, 811-825.	13.6	81
20	In situ forming pluronicÂ® F127/chitosan hydrogel limits metronidazole transmucosal absorption. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 112, 143-147.	4.3	45
21	Pickering emulsions with Î±-cyclodextrin inclusions: Structure and thermal stability. Journal of Colloid and Interface Science, 2016, 482, 48-57.	9.4	26
22	CD4-mimetic sulfopeptide conjugates display sub-nanomolar anti-HIV-1 activity and protect macaques against a SHIV162P3 vaginal challenge. Scientific Reports, 2016, 6, 34829.	3.3	7
23	Hexagonal-shaped chondroitin sulfate self-assemblies have exalted anti-HSV-2 activity. Carbohydrate Polymers, 2016, 136, 113-120.	10.2	28
24	Cell line-dependent cytotoxicity of poly(isobutylcyanoacrylate) nanoparticles coated with chitosan and thiolated chitosan: Insights from cultured human epithelial HeLa, Caco2/TC7 and HT-29/MTX cells. International Journal of Pharmaceutics, 2015, 491, 17-20.	5.2	16
25	Drug-Free Chitosan Coated Poly(isobutylcyanoacrylate) Nanoparticles Are Active Against Trichomonas vaginalis and Non-Toxic Towards Pig Vaginal Mucosa. Pharmaceutical Research, 2015, 32, 1229-1236.	3.5	39
26	Thermosensitive and Mucoadhesive Pluronic-Hydroxypropylmethylcellulose Hydrogel Containing the Mini-CD4 M48U1 Is a Promising Efficient Barrier against HIV Diffusion through Macaque Cervicovaginal Mucus. Antimicrobial Agents and Chemotherapy, 2015, 59, 2215-2222.	3.2	35
27	Dehydration, Dissolution, and Melting of Cyclodextrin Crystals. Journal of Physical Chemistry B, 2015, 119, 1433-1442.	2.6	25
28	The unexpected increase of clotrimazole apparent solubility using randomly methylated Î²â€cyclodextrin. Journal of Molecular Recognition, 2015, 28, 96-102.	2.1	13
29	Gelation and micellization behaviors of pluronicÂ® F127 hydrogel containing poly(isobutylcyanoacrylate) nanoparticles specifically designed for mucosal application. Colloids and Surfaces B: Biointerfaces, 2015, 135, 669-676.	5.0	28
30	Auto-associative heparin nanoassemblies: A biomimetic platform against the heparan sulfate-dependent viruses HSV-1, HSV-2, HPV-16 and RSV. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 88, 275-282.	4.3	37
31	Mini CD4-heparan Sulfate Mimetic Conjugates Display Sub Nanomolar Anti-HIV-1 Activity and Protect Macaques against a SHIV162P3 Vaginal Route Challenge. AIDS Research and Human Retroviruses, 2014, 30, A262-A262.	1.1	0
32	Investigation of the complexation of albendazole with cyclodextrins for the design of new antiparasitic formulations. Carbohydrate Research, 2014, 398, 50-55.	2.3	29
33	Impact of phosphorylation on the encapsulation of nucleoside analogues within porous iron(iii) metalâ€“organic framework MIL-100(Fe) nanoparticles. Journal of Materials Chemistry B, 2013, 1, 4231.	5.8	69
34	Scale-up of polyamide and polyester ParsolÂ® MCX nanocapsules by interfacial polycondensation and solvent diffusion method. International Journal of Pharmaceutics, 2013, 454, 678-685.	5.2	4
35	Towards an Improved antiâ€HIV Activity of NRTI via Metalâ€“Organic Frameworks Nanoparticles. Advanced Healthcare Materials, 2013, 2, 1630-1637.	7.6	130
36	Oral delivery of anticancer drugs I: general considerations. Drug Discovery Today, 2013, 18, 25-34.	6.4	58

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37	Oral delivery of anticancer drugs II: the prodrug strategy. Drug Discovery Today, 2013, 18, 93-98.	6.4	18
38	Note on the formulation of thermosensitive and mucoadhesive vaginal hydrogels containing the miniCD4 M48U1 as anti-HIV-1 microbicide. International Journal of Pharmaceutics, 2013, 454, 649-652.	5.2	22
39	Nanostructured fluids from pluronicÂ® mixtures. International Journal of Pharmaceutics, 2013, 454, 599-610.	5.2	52
40	Oral delivery of anticancer drugs III: formulation using drug delivery systems. Drug Discovery Today, 2013, 18, 99-104.	6.4	75
41	Clotrimazole-loaded nanostructured lipid carrier hydrogels: Thermal analysis and in vitro studies. International Journal of Pharmaceutics, 2013, 454, 695-702.	5.2	70
42	MiniCD4 Microbicide Prevents HIV Infection of Human Mucosal Explants and Vaginal Transmission of SHIV162P3 in Cynomolgus Macaques. PLoS Pathogens, 2012, 8, e1003071.	4.7	32
43	Intestinal permeation enhancement of docetaxel encapsulated into methyl-Î²-cyclodextrin/poly(isobutylcyanoacrylate) nanoparticles coated with thiolated chitosan. Journal of Controlled Release, 2012, 162, 568-574.	9.9	56
44	Scale-up of Nanoemulsion Produced by Emulsification and Solvent Diffusion. Journal of Pharmaceutical Sciences, 2012, 101, 4240-4247.	3.3	27
45	The Counterbalanced Effect of Size and Surface Properties of Chitosan-Coated poly(isobutylcyanoacrylate) Nanoparticles on Mucoadhesion Due to Pluronic F68 Addition. Pharmaceutical Research, 2012, 29, 943-952.	3.5	29
46	Auto-associative amphiphilic polysaccharides as drug delivery systems. Drug Discovery Today, 2012, 17, 608-614.	6.4	92
47	How to conduct and interpret ITC experiments accurately for cyclodextrinâ€“guest interactions. Drug Discovery Today, 2012, 17, 623-629.	6.4	80
48	Polyamide Nanocapsules and Nano-emulsions Containing ParsolÂ® MCX and ParsolÂ® 1789: In Vitro Release, Ex Vivo Skin Penetration and Photo-Stability Studies. Pharmaceutical Research, 2012, 29, 559-573.	3.5	34
49	Reduced Intestinal Toxicity of Docetaxel Loaded Into Mucoadhesive Nanoparticles, in Mouse Xenograft Model. Journal of Colloid Science and Biotechnology, 2012, 1, 210-217.	0.2	11
50	Bivalent sequential binding of docetaxel to methyl-Î²-cyclodextrin. International Journal of Pharmaceutics, 2011, 416, 171-180.	5.2	44
51	Processing and Scale-up of Polymeric Nanoparticles. Fundamental Biomedical Technologies, 2011, , 433-456.	0.2	6
52	Synthesis and characterization of surfaceâ€modified PBLG nanoparticles for bone targeting: In vitro and in vivo evaluations. Journal of Pharmaceutical Sciences, 2011, 100, 4877-4887.	3.3	25
53	A comprehensive study of the spontaneous formation of nanoassemblies in water by a â€œlock-and-keyâ€• interaction between two associative polymers. Journal of Colloid and Interface Science, 2011, 354, 517-527.	9.4	43
54	What are parameters affecting Leu-enkephalin loading and release from poly(isobutylcyanoacrylate) nanoparticles coated with thiolated chitosan?. Journal of Drug Delivery Science and Technology, 2011, 21, 385-393.	3.0	3

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55	What can isothermal titration microcalorimetry experiments tell us about the selfâ€organization of surfactants into micelles?. Journal of Molecular Recognition, 2010, 23, 335-342.	2.1	57
56	Pegylation of poly(γ-benzyl-L-glutamate) nanoparticles is efficient for avoiding mononuclear phagocyte system capture in rats. International Journal of Nanomedicine, 2010, 5, 1103.	6.7	30
57	Synthesis and characterization of functionalized poly(Î³-benzyl-l-glutamate) derivates and corresponding nanoparticles preparation and characterization. International Journal of Pharmaceutics, 2010, 387, 244-252.	5.2	23
58	Cyclodextrin complexed insulin encapsulated hydrogel microparticles: An oral delivery system for insulin. Journal of Controlled Release, 2010, 147, 377-384.	9.9	117
59	PEGylation and preliminary biocompatibility evaluation of magnetiteâ€“silica nanocomposites obtained by high energy ball milling. International Journal of Pharmaceutics, 2010, 401, 103-112.	5.2	28
60	Surface-functionalized polymethacrylic acid based hydrogel microparticles for oral drug delivery. European Journal of Pharmaceutics and Biopharmaceutics, 2010, 74, 209-218.	4.3	50
61	Formulation of mucoadhesive vaginal hydrogels insensitive to dilution with vaginal fluids. European Journal of Pharmaceutics and Biopharmaceutics, 2010, 76, 296-303.	4.3	102
62	Efficient Loading and Controlled Release of Benzophenone-3 Entrapped into Self-Assembling Nanogels. Current Nanoscience, 2010, 6, 654-665.	1.2	21
63	Parameters affecting organization and transfection efficiency of amphiphilic copolymers/DNA carriers. Journal of Controlled Release, 2009, 138, 71-77.	9.9	34
64	Combined hydroxypropyl-Î²-cyclodextrin and poly(anhydride) nanoparticles improve the oral permeability of paclitaxel. European Journal of Pharmaceutical Sciences, 2009, 38, 405-413.	4.0	132
65	Elucidation of the complexation mechanism between (+)â€usnic acid and cyclodextrins studied by isothermal titration calorimetry and phaseâ€solubility diagram experiments. Journal of Molecular Recognition, 2009, 22, 232-241.	2.1	36
66	A comprehensive study on the inclusion mechanism of benzophenone into supramolecular nanoassemblies prepared using two water-soluble associative polymers. Journal of Thermal Analysis and Calorimetry, 2009, 98, 57-64.	3.6	20
67	Methods for the Preparation and Manufacture of Polymeric Nanoparticles. Pharmaceutical Research, 2009, 26, 1025-1058.	3.5	729
68	Microcalorimetric investigation on the formation of supramolecular nanoassemblies of associative polymers loaded with gadolinium chelate derivatives. International Journal of Pharmaceutics, 2009, 379, 218-225.	5.2	22
69	A concise analysis of the effect of temperature and propanediol-1, 2 on Pluronic F127 micellization using isothermal titration microcalorimetry. Journal of Colloid and Interface Science, 2009, 338, 169-176.	9.4	73
70	Cyclodextrin and Polysaccharide-Based Nanogels: Entrapment of Two Hydrophobic Molecules, Benzophenone and Tamoxifen. Biomacromolecules, 2009, 10, 547-554.	5.4	129
71	New challenges for pharmaceutical formulations and drug delivery systems characterization using isothermal titration calorimetry. Drug Discovery Today, 2008, 13, 960-972.	6.4	116
72	ENCAPSULATION OF LEU-ENKEPHALIN IN CORE-SHELL ISOBUTYLCYANOACRYLATE - THIOLATED CHITOSAN NANOPARTICLES FOR ORAL ADMINISTRATION. Journal of the Chilean Chemical Society, 2008, 53, .	1.2	1

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73	Stability Studies on Colloidal Suspensions of Polyurethane Nanocapsules. Journal of Nanoscience and Nanotechnology, 2006, 6, 3187-3192.	0.9	16
74	Simultaneous emulsification and interfacial polycondensation for the preparation of colloidal suspensions of nanocapsules. Materials Science and Engineering C, 2006, 26, 472-480.	7.3	33
75	Polyamides nanocapsules: Modeling and wall thickness estimation. AICHE Journal, 2006, 52, 2161-2170.	3.6	35
76	Synthesis and characterization of polyurethane and poly(ether urethane) nanocapsules using a new technique of interfacial polycondensation combined to spontaneous emulsification. International Journal of Pharmaceutics, 2004, 269, 89-100.	5.2	162
77	Nano-emulsion formulation using spontaneous emulsification: solvent, oil and surfactant optimisation. International Journal of Pharmaceutics, 2004, 280, 241-251.	5.2	700
78	MorphologyâEĐependent Bioadhesion and Bioelimination of Hyaluronan Particles Administered in the Bladder. Advanced NanoBiomed Research, 0, , 2100138.	3.6	1