

# Kawthar Bouchemal

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Methods for the Preparation and Manufacture of Polymeric Nanoparticles. <i>Pharmaceutical Research</i> , 2009, 26, 1025-1058.	3.5	729
2	Nano-emulsion formulation using spontaneous emulsification: solvent, oil and surfactant optimisation. <i>International Journal of Pharmaceutics</i> , 2004, 280, 241-251.	5.2	700
3	Synthesis and characterization of polyurethane and poly(ether urethane) nanocapsules using a new technique of interfacial polycondensation combined to spontaneous emulsification. <i>International Journal of Pharmaceutics</i> , 2004, 269, 89-100.	5.2	162
4	Combined hydroxypropyl- $\beta$ -cyclodextrin and poly(anhydride) nanoparticles improve the oral permeability of paclitaxel. <i>European Journal of Pharmaceutical Sciences</i> , 2009, 38, 405-413.	4.0	132
5	Towards an Improved anti-HIV Activity of NRTI via Metal-Organic Frameworks Nanoparticles. <i>Advanced Healthcare Materials</i> , 2013, 2, 1630-1637.	7.6	130
6	Cyclodextrin and Polysaccharide-Based Nanogels: Entrapment of Two Hydrophobic Molecules, Benzophenone and Tamoxifen. <i>Biomacromolecules</i> , 2009, 10, 547-554.	5.4	129
7	Cyclodextrin complexed insulin encapsulated hydrogel microparticles: An oral delivery system for insulin. <i>Journal of Controlled Release</i> , 2010, 147, 377-384.	9.9	117
8	New challenges for pharmaceutical formulations and drug delivery systems characterization using isothermal titration calorimetry. <i>Drug Discovery Today</i> , 2008, 13, 960-972.	6.4	116
9	Formulation of mucoadhesive vaginal hydrogels insensitive to dilution with vaginal fluids. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 76, 296-303.	4.3	102
10	Auto-associative amphiphilic polysaccharides as drug delivery systems. <i>Drug Discovery Today</i> , 2012, 17, 608-614.	6.4	92
11	Strategies for Prevention and Treatment of <i>Trichomonas vaginalis</i> Infections. <i>Clinical Microbiology Reviews</i> , 2017, 30, 811-825.	13.6	81
12	How to conduct and interpret ITC experiments accurately for cyclodextrin-guest interactions. <i>Drug Discovery Today</i> , 2012, 17, 623-629.	6.4	80
13	Oral delivery of anticancer drugs III: formulation using drug delivery systems. <i>Drug Discovery Today</i> , 2013, 18, 99-104.	6.4	75
14	A concise analysis of the effect of temperature and propanediol-1, 2 on Pluronic F127 micellization using isothermal titration microcalorimetry. <i>Journal of Colloid and Interface Science</i> , 2009, 338, 169-176.	9.4	73
15	Clotrimazole-loaded nanostructured lipid carrier hydrogels: Thermal analysis and in vitro studies. <i>International Journal of Pharmaceutics</i> , 2013, 454, 695-702.	5.2	70
16	Impact of phosphorylation on the encapsulation of nucleoside analogues within porous iron(III) metal-organic framework MIL-100(Fe) nanoparticles. <i>Journal of Materials Chemistry B</i> , 2013, 1, 4231.	5.8	69
17	Oral delivery of anticancer drugs I: general considerations. <i>Drug Discovery Today</i> , 2013, 18, 25-34.	6.4	58
18	What can isothermal titration microcalorimetry experiments tell us about the self-organization of surfactants into micelles?. <i>Journal of Molecular Recognition</i> , 2010, 23, 335-342.	2.1	57

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19	Intestinal permeation enhancement of docetaxel encapsulated into methyl- $\beta$ -cyclodextrin/poly(isobutylcyanoacrylate) nanoparticles coated with thiolated chitosan. <i>Journal of Controlled Release</i> , 2012, 162, 568-574.	9.9	56
20	Nanostructured fluids from pluronic <sup>®</sup> mixtures. <i>International Journal of Pharmaceutics</i> , 2013, 454, 599-610.	5.2	52
21	Surface-functionalized polymethacrylic acid based hydrogel microparticles for oral drug delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 74, 209-218.	4.3	50
22	In situ forming pluronic <sup>®</sup> F127/chitosan hydrogel limits metronidazole transmucosal absorption. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 112, 143-147.	4.3	45
23	Bivalent sequential binding of docetaxel to methyl- $\beta$ -cyclodextrin. <i>International Journal of Pharmaceutics</i> , 2011, 416, 171-180.	5.2	44
24	A comprehensive study of the spontaneous formation of nanoassemblies in water by a lock-and-key interaction between two associative polymers. <i>Journal of Colloid and Interface Science</i> , 2011, 354, 517-527.	9.4	43
25	Drug-Free Chitosan Coated Poly(isobutylcyanoacrylate) Nanoparticles Are Active Against <i>Trichomonas vaginalis</i> and Non-Toxic Towards Pig Vaginal Mucosa. <i>Pharmaceutical Research</i> , 2015, 32, 1229-1236.	3.5	39
26	Auto-associative heparin nanoassemblies: A biomimetic platform against the heparan sulfate-dependent viruses HSV-1, HSV-2, HPV-16 and RSV. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 88, 275-282.	4.3	37
27	Effect of micro- and nanoparticle shape on biological processes. <i>Journal of Controlled Release</i> , 2022, 342, 93-110.	9.9	37
28	Elucidation of the complexation mechanism between (+)- $\alpha$ -D-glucosaminic acid and cyclodextrins studied by isothermal titration calorimetry and phase solubility diagram experiments. <i>Journal of Molecular Recognition</i> , 2009, 22, 232-241.	2.1	36
29	Advances in the treatment of inflammatory bowel disease: Focus on polysaccharide nanoparticulate drug delivery systems. <i>Advanced Drug Delivery Reviews</i> , 2022, 181, 114101.	13.7	36
30	Polyamides nanocapsules: Modeling and wall thickness estimation. <i>AIChE Journal</i> , 2006, 52, 2161-2170.	3.6	35
31	Thermosensitive and Mucoadhesive Pluronic-Hydroxypropylmethylcellulose Hydrogel Containing the Mini-CD4 M48U1 Is a Promising Efficient Barrier against HIV Diffusion through Macaque Cervicovaginal Mucus. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 2215-2222.	3.2	35
32	Parameters affecting organization and transfection efficiency of amphiphilic copolymers/DNA carriers. <i>Journal of Controlled Release</i> , 2009, 138, 71-77.	9.9	34
33	Polyamide Nanocapsules and Nano-emulsions Containing Parsol <sup>®</sup> MCX and Parsol <sup>®</sup> 1789: In Vitro Release, Ex Vivo Skin Penetration and Photo-Stability Studies. <i>Pharmaceutical Research</i> , 2012, 29, 559-573.	3.5	34
34	Simultaneous emulsification and interfacial polycondensation for the preparation of colloidal suspensions of nanocapsules. <i>Materials Science and Engineering C</i> , 2006, 26, 472-480.	7.3	33
35	MiniCD4 Microbicide Prevents HIV Infection of Human Mucosal Explants and Vaginal Transmission of SHIV162P3 in Cynomolgus Macaques. <i>PLoS Pathogens</i> , 2012, 8, e1003071.	4.7	32
36	Pegylation of poly( $\gamma$ -benzyl-L-glutamate) nanoparticles is efficient for avoiding mononuclear phagocyte system capture in rats. <i>International Journal of Nanomedicine</i> , 2010, 5, 1103.	6.7	30

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37	The Counterbalanced Effect of Size and Surface Properties of Chitosan-Coated poly(isobutylcyanoacrylate) Nanoparticles on Mucoadhesion Due to Pluronic F68 Addition. <i>Pharmaceutical Research</i> , 2012, 29, 943-952.	3.5	29
38	Investigation of the complexation of albendazole with cyclodextrins for the design of new antiparasitic formulations. <i>Carbohydrate Research</i> , 2014, 398, 50-55.	2.3	29
39	PEGylation and preliminary biocompatibility evaluation of magnetite-silica nanocomposites obtained by high energy ball milling. <i>International Journal of Pharmaceutics</i> , 2010, 401, 103-112.	5.2	28
40	Gelation and micellization behaviors of pluronic F127 hydrogel containing poly(isobutylcyanoacrylate) nanoparticles specifically designed for mucosal application. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 135, 669-676.	5.0	28
41	Hexagonal-shaped chondroitin sulfate self-assemblies have exalted anti-HSV-2 activity. <i>Carbohydrate Polymers</i> , 2016, 136, 113-120.	10.2	28
42	Scale-up of Nanoemulsion Produced by Emulsification and Solvent Diffusion. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 4240-4247.	3.3	27
43	Pickering emulsions with $\beta$ -cyclodextrin inclusions: Structure and thermal stability. <i>Journal of Colloid and Interface Science</i> , 2016, 482, 48-57.	9.4	26
44	Synthesis and characterization of surface-modified PBLG nanoparticles for bone targeting: In vitro and in vivo evaluations. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 4877-4887.	3.3	25
45	Dehydration, Dissolution, and Melting of Cyclodextrin Crystals. <i>Journal of Physical Chemistry B</i> , 2015, 119, 1433-1442.	2.6	25
46	Supramolecular Chitosan Micro-Platelets Synergistically Enhance Anti-Candida albicans Activity of Amphotericin B Using an Immunocompetent Murine Model. <i>Pharmaceutical Research</i> , 2017, 34, 1067-1082.	3.5	24
47	Synthesis and characterization of functionalized poly( $\beta$ -benzyl-L-glutamate) derivatives and corresponding nanoparticles preparation and characterization. <i>International Journal of Pharmaceutics</i> , 2010, 387, 244-252.	5.2	23
48	Microcalorimetric investigation on the formation of supramolecular nanoassemblies of associative polymers loaded with gadolinium chelate derivatives. <i>International Journal of Pharmaceutics</i> , 2009, 379, 218-225.	5.2	22
49	Note on the formulation of thermosensitive and mucoadhesive vaginal hydrogels containing the miniCD4 M48U1 as anti-HIV-1 microbicide. <i>International Journal of Pharmaceutics</i> , 2013, 454, 649-652.	5.2	22
50	Efficient Loading and Controlled Release of Benzophenone-3 Entrapped into Self-Assembling Nanogels. <i>Current Nanoscience</i> , 2010, 6, 654-665.	1.2	21
51	A comprehensive study on the inclusion mechanism of benzophenone into supramolecular nanoassemblies prepared using two water-soluble associative polymers. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 98, 57-64.	3.6	20
52	Oral delivery of anticancer drugs II: the prodrug strategy. <i>Drug Discovery Today</i> , 2013, 18, 93-98.	6.4	18
53	Surface-dependent endocytosis of poly(isobutylcyanoacrylate) nanoparticles by <i>Trichomonas vaginalis</i> . <i>International Journal of Pharmaceutics</i> , 2018, 548, 276-287.	5.2	18
54	Stability Studies on Colloidal Suspensions of Polyurethane Nanocapsules. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 3187-3192.	0.9	16

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55	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. <i>International Journal of Pharmaceutics</i> , 2015, 491, 17-20.	5.2	16
56	Autoassemblies of $\beta$ -Cyclodextrin and Grafted Polysaccharides: Crystal Structure and Specific Properties of the Platelets. <i>Journal of Physical Chemistry B</i> , 2018, 122, 6055-6063.	2.6	16
57	Topically Applied Chitosan-Coated Poly(isobutylcyanoacrylate) Nanoparticles Are Active Against Cutaneous Leishmaniasis by Accelerating Lesion Healing and Reducing the Parasitic Load. <i>ACS Applied Bio Materials</i> , 2019, 2, 2573-2586.	4.6	16
58	The unexpected increase of clotrimazole apparent solubility using randomly methylated $\beta$ -cyclodextrin. <i>Journal of Molecular Recognition</i> , 2015, 28, 96-102.	2.1	13
59	Cyclodextrin-mediated self-associating chitosan micro-platelets act as a drug booster against <i>Candida glabrata</i> mucosal infection in immunocompetent mice. <i>International Journal of Pharmaceutics</i> , 2017, 519, 381-389.	5.2	13
60	Hierarchical supramolecular platelets from hydrophobically-modified polysaccharides and $\beta$ -cyclodextrin: Effect of hydrophobization and $\beta$ -cyclodextrin concentration on platelet formation. <i>International Journal of Pharmaceutics</i> , 2018, 548, 227-236.	5.2	11
61	Reduced Intestinal Toxicity of Docetaxel Loaded Into Mucoadhesive Nanoparticles, in Mouse Xenograft Model. <i>Journal of Colloid Science and Biotechnology</i> , 2012, 1, 210-217.	0.2	11
62	Phase solubility studies and anti- <i>Trichomonas vaginalis</i> activity evaluations of metronidazole and methylated $\beta$ -cyclodextrin complexes: Comparison of CRYSMEB and RAMEB. <i>Experimental Parasitology</i> , 2018, 189, 72-75.	1.2	10
63	New insights on the structure of hexagonally faceted platelets from hydrophobically modified chitosan and $\beta$ -cyclodextrin. <i>International Journal of Pharmaceutics</i> , 2018, 548, 23-33.	5.2	10
64	M48U1 and Tenofovir combination synergistically inhibits HIV infection in activated PBMCs and human cervicovaginal histocultures. <i>Scientific Reports</i> , 2017, 7, 41018.	3.3	9
65	Hierarchically built hyaluronan nano-platelets have symmetrical hexagonal shape, flattened surfaces and controlled size. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 133, 251-263.	4.0	9
66	Combination of amphotericin B and chitosan platelets for the treatment of experimental cutaneous leishmaniasis: Histological and immunohistochemical examinations. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 50, 34-41.	3.0	9
67	CD4-mimetic sulfopeptide conjugates display sub-nanomolar anti-HIV-1 activity and protect macaques against a SHIV162P3 vaginal challenge. <i>Scientific Reports</i> , 2016, 6, 34829.	3.3	7
68	Processing and Scale-up of Polymeric Nanoparticles. <i>Fundamental Biomedical Technologies</i> , 2011, , 433-456.	0.2	6
69	Role of the interactions of soft hyaluronan nanomaterials with CD44 and supported bilayer membranes in the cellular uptake. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 205, 111916.	5.0	6
70	<i>Trichomonas vaginalis</i> Motility Is Blocked by Drug-Free Thermosensitive Hydrogel. <i>ACS Infectious Diseases</i> , 2020, 6, 114-123.	3.8	5
71	Shape stability of ellipsoidal nanomaterials prepared by physical deformation. <i>International Journal of Pharmaceutics</i> , 2021, 609, 121178.	5.2	5
72	Scale-up of polyamide and polyester Parsol <sup>®</sup> MCX nanocapsules by interfacial polycondensation and solvent diffusion method. <i>International Journal of Pharmaceutics</i> , 2013, 454, 678-685.	5.2	4

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73	Real-time visualization of morphology-dependent self-motion of hyaluronic acid nanomaterials in water. <i>International Journal of Pharmaceutics</i> , 2021, 609, 121172.	5.2	4
74	What are parameters affecting Leu-enkephalin loading and release from poly(isobutylcyanoacrylate) nanoparticles coated with thiolated chitosan?. <i>Journal of Drug Delivery Science and Technology</i> , 2011, 21, 385-393.	3.0	3
75	Î²-Glucan Grafted Microcapsule, a Tool for Studying the Immunomodulatory Effect of Microbial Cell Wall Polysaccharides. <i>Bioconjugate Chemistry</i> , 2019, 30, 1788-1797.	3.6	3
76	ENCAPSULATION OF LEU-ENKEPHALIN IN CORE-SHELL ISOBUTYLCYANOACRYLATE - THIOLATED CHITOSAN NANOPARTICLES FOR ORAL ADMINISTRATION. <i>Journal of the Chilean Chemical Society</i> , 2008, 53, .	1.2	1
77	Morphologyâ€Dependent Bioadhesion and Bioelimination of Hyaluronan Particles Administered in the Bladder. <i>Advanced NanoBiomed Research</i> , 0, , 2100138.	3.6	1
78	Mini CD4-heparan Sulfate Mimetic Conjugates Display Sub Nanomolar Anti-HIV-1 Activity and Protect Macaques against a SHIV162P3 Vaginal Route Challenge. <i>AIDS Research and Human Retroviruses</i> , 2014, 30, A262-A262.	1.1	0