Alejandro Baeza

List of Publications by Citations

61 papers	2,582 citations	27 h-index	50 g-index
74 ext. papers	2,896 ext. citations	6.4 avg, IF	5.68 L-index

#	Paper	IF	Citations
61	Smart drug delivery through DNA/magnetic nanoparticle gates. *ACS Nano*, **2011**, 5, 1259-66	16.7	340
60	Magnetically Triggered Multidrug Release by Hybrid Mesoporous Silica Nanoparticles. *Chemistry of Materials*, **2012**, 24, 517-524	9.6	285
59	Advances in mesoporous silica nanoparticles for targeted stimuli-responsive drug delivery. *Expert Opinion on Drug Delivery*, **2015**, 12, 319-37	8	202
58	Aldehyde selective Wacker oxidations of phthalimide protected allylic amines: a new catalytic route to beta3-amino acids. *Journal of the American Chemical Society*, **2009**, 131, 9473-4	16.4	119
57	Recent advances in porous nanoparticles for drug delivery in antitumoral applications: inorganic nanoparticles and nanoscale metal-organic frameworks. *Expert Opinion on Drug Delivery*, **2017**, 14, 783-796	8	93
56	Beyond Traditional Hyperthermia: In Vivo Cancer Treatment with Magnetic-Responsive Mesoporous Silica Nanocarriers. *ACS Applied Materials & Interfaces*, **2018**, 10, 12518-12525	9.5	80
55	Magnetic-Responsive Release Controlled by Hot Spot Effect. *Langmuir*, **2015**, 31, 12777-82	4	76
54	Janus Mesoporous Silica Nanoparticles for Dual Targeting of Tumor Cells and Mitochondria. *ACS Applied Materials & Interfaces*, **2017**, 9, 26697-26706	9.5	75
53	Asymmetric hybrid silica nanomotors for capture and cargo transport: towards a novel motion-based DNA sensor. *Small*, **2012**, 8, 2053-9	11	75
52	Recent advances in mesoporous silica nanoparticles for antitumor therapy: our contribution. *Biomaterials Science*, **2016**, 4, 803-13	7.4	74
51	Recent applications of the combination of mesoporous silica nanoparticles with nucleic acids: development of bioresponsive devices, carriers and sensors. *Biomaterials Science*, **2017**, 5, 353-377	7.4	67
50	Hybrid Collagenase Nanocapsules for Enhanced Nanocarrier Penetration in Tumoral Tissues. *ACS Applied Materials & Interfaces*, **2015**, 7, 24075-81	9.5	64
49	Mesoporous silica nanoparticles grafted with a light-responsive protein shell for highly cytotoxic antitumoral therapy. *Journal of Materials Chemistry B*, **2015**, 3, 5746-5752	7.3	63
48	A novel visible light responsive nanosystem for cancer treatment. *Nanoscale*, **2017**, 9, 15967-15973	7.7	60
47	Effect of surfactants on the performance of tubular and spherical micromotors - a comparative study. *RSC Advances*, **2014**, 4, 20334-20340	3.7	50
46	Hybrid Enzyme-Polymeric Capsules/Mesoporous Silica Nanodevice for In Situ Cytotoxic Agent Generation. *Advanced Functional Materials*, **2014**, 24, 4625-4633	15.6	42
45	Dynamics of Novel Photoactive AgCl Microstars and Their Environmental Applications. *ChemNanoMat*, **2017**, 3, 65-71	3.5	40

44	Overcoming the stability, toxicity, and biodegradation challenges of tumor stimuli-responsive inorganic nanoparticles for delivery of cancer therapeutics. *Expert Opinion on Drug Delivery*, **2019**, 16, 1095-1112	8	38
43	Mesoporous Silica Nanoparticles Decorated with Carbosilane Dendrons as New Non-viral Oligonucleotide Delivery Carriers. *Chemistry - A European Journal*, **2015**, 21, 15651-66	4.8	38
42	Multifunctional Protocells for Enhanced Penetration in 3D Extracellular Tumoral Matrices. *Chemistry of Materials*, **2018**, 30, 112-120	9.6	38
41	Targeting strategies for improving the efficacy of nanomedicine in oncology. *Beilstein Journal of Nanotechnology*, **2019**, 10, 168-181	3	36
40	In-vivo behavior of Si-hydroxyapatite/polycaprolactone/DMB scaffolds fabricated by 3D printing. *Journal of Biomedical Materials Research - Part A*, **2013**, 101, 2038-48	5.4	36
39	A new targeting agent for the selective drug delivery of nanocarriers for treating neuroblastoma. *Journal of Materials Chemistry B*, **2015**, 3, 4831-4842	7.3	34
38	Nanotechnological Strategies for Protein Delivery. *Molecules*, **2018**, 23,	4.8	33
37	Improving catalase-based propelled motor endurance by enzyme encapsulation. *Nanoscale*, **2014**, 6, 8907-13	7.7	33
36	Biotinylation of silicon-doped hydroxyapatite: a new approach to protein fixation for bone tissue regeneration. *Acta Biomaterialia*, **2010**, 6, 743-9	10.8	29
35	Synthesis of Polydopamine-Like Nanocapsules via Removal of a Sacrificial Mesoporous Silica Template with Water. *Chemistry - A European Journal*, **2017**, 23, 2753-2758	4.8	27
34	Towards the Development of Smart 3D "gated scaffolds" for on-command delivery. *Small*, **2014**, 10, 4859-64	11	26
33	Polydopamine-like Coatings as Payload Gatekeepers for Mesoporous Silica Nanoparticles. *ACS Applied Materials & Interfaces*, **2018**, 10, 7661-7669	9.5	25
32	Reaction of bromomethylazoles and tosylmethyl isocyanide. A novel heterocyclization method for the synthesis of the core of marine alkaloids variolins and related azolopyrimidines. *Journal of Organic Chemistry*, **2004**, 69, 4974-83	4.2	25
31	Thermoseeds for interstitial magnetic hyperthermia: from bioceramics to nanoparticles. *Journal of Physics Condensed Matter*, **2013**, 25, 484003	1.8	24
30	Heterocyclizations with tosylmethyl isocyanide derivatives. A new approach to substituted azolopyrimidines. *Journal of Organic Chemistry*, **2005**, 70, 4879-82	4.2	23
29	Design of thermoresponsive polymeric gates with opposite controlled release behaviors. *RSC Advances*, **2016**, 6, 42510-42516	3.7	19
28	Heating at the Nanoscale through Drug-Delivery Devices: Fabrication and Synergic Effects in Cancer Treatment with Nanoparticles. *Small Methods*, **2018**, 2, 1800007	12.8	18
27	Tumor Targeted Nanocarriers for Immunotherapy. *Molecules*, **2020**, 25,	4.8	18

26	Targeted Chemo-Photothermal Therapy: A Nanomedicine Approximation to Selective Melanoma Treatment. *Particle and Particle Systems Characterization*, **2018**, 35, 1800148	3.1	18
25	Double Sequential Encrypted Targeting Sequence: A New Concept for Bone Cancer Treatment. *Chemistry - A European Journal*, **2017**, 23, 7174-7179	4.8	17
24	Bacteria as Nanoparticles Carrier for Enhancing Penetration in a Tumoral Matrix Model. *Advanced Materials Interfaces*, **2020**, 7, 1901942	4.6	17
23	Selective palladium-catalyzed amination of the heterocyclic core of variolins. *Tetrahedron Letters*, **2007**, 48, 2597-2601	2	17
22	Application of Selective Palladium-Mediated Functionalization of the Pyrido[3?,2?:4,5]pyrrolo[1,2-c]pyrimidine Heterocyclic System for the Total Synthesis of Variolin B and Deoxyvariolin B. *European Journal of Organic Chemistry*, **2010**, 2010, 5607-5618	3.2	16
21	Palladium-mediated C□N, C□C, and C□O functionalization of azolopyrimidines: a new total synthesis of variolin B. *Tetrahedron Letters*, **2008**, 49, 4073-4077	2	15
20	Design of Smart Nanomaterials for Drug and Gene Delivery. *Journal of Biomaterials and Tissue Engineering*, **2011**, 1, 6-29	0.3	15
19	Mesoporous Silica Nanoparticles as Theranostic Antitumoral Nanomedicines. *Pharmaceutics*, **2020**, 12,	6.4	14
18	Novel environmentally benign procedures for the synthesis of styryl dyes. *Dyes and Pigments*, **2008**, 77, 550-555	4.6	13
17	Smart Mesoporous Silica Nanocarriers for Antitumoral Therapy. *Current Topics in Medicinal Chemistry*, **2015**, 15, 2306-15	3	13
16	Molecular Scaffolds as Double-Targeting Agents For the Diagnosis and Treatment of Neuroblastoma. *Angewandte Chemie - International Edition*, **2019**, 58, 3067-3072	16.4	13
15	Collagenase nanocapsules: An approach to fibrosis treatment. *Acta Biomaterialia*, **2018**, 74, 430-438	10.8	12
14	Inorganic Porous Nanoparticles for Drug Delivery in Antitumoral Therapy. *Biotechnology Journal*, **2021**, 16, e2000150	5.6	12
13	Electron microscopy for inorganic-type drug delivery nanocarriers for antitumoral applications: what does it reveal?. *Journal of Materials Chemistry B*, **2017**, 5, 2714-2725	7.3	10
12	Nanomotors for Nucleic Acid, Proteins, Pollutants and Cells Detection. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	9
11	Targeted Mesoporous Silica Nanocarriers in Oncology. *Current Drug Targets*, **2018**, 19, 213-224	3	9
10	Mesoporous Silica Nanoparticles for Drug Delivery and Controlled Release Applications **2015**, 1309-1344		8
9	Controlled Release With Emphasis on Ultrasound-Induced Release. *The Enzymes*, **2018**, 43, 101-122	2.3	8

List of Publications

8	Ceramic Nanoparticles for Cancer Treatment **2014**, 421-455		5
7	Molecular Scaffolds as Double-Targeting Agents For the Diagnosis and Treatment of Neuroblastoma. *Angewandte Chemie*, **2019**, 131, 3099-3104	3.6	4
6	Synthesis of Polydopamine-Like Nanocapsules via Removal of a Sacrificial Mesoporous Silica Template with Water. *Chemistry - A European Journal*, **2017**, 23, 2733-2733	4.8	3
5	Magnetically responsive polymers for drug delivery applications **2018**, 143-168		3
4	Ceramic Smart Drug Delivery Nanomaterials **2014**, 23-48		2
3	Nano- and Microscale Drug Delivery Approaches for Therapeutic Immunomodulation. *ChemNanoMat*, **2021**, 7, 773-788	3.5	1
2	Evaluation of the penetration process of fluorescent collagenase nanocapsules in a 3D collagen gel. *Acta Biomaterialia*, **2021**, 121, 263-274	10.8	1
1	Janus-Type Mesoporous Silica Nanoparticles for Sequential Tumoral Cell and Mitochondria Targeting. *Methods in Molecular Biology*, **2021**, 2275, 341-361	1.4	