

Juan L Vivero-Escoto

List of Publications by Citations

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47
papers

6,080
citations

24
h-index

53
g-index

53
ext. papers

6,455
ext. citations

8.8
avg, IF

5.9
L-index

#	Paper	IF	Citations
47	Mesoporous silica nanoparticles as controlled release drug delivery and gene transfection carriers. <i>Advanced Drug Delivery Reviews</i> , 2008 , 60, 1278-1288	18.5	2110
46	Mesoporous silica nanoparticles for intracellular controlled drug delivery. <i>Small</i> , 2010 , 6, 1952-67	11	820
45	Photoinduced intracellular controlled release drug delivery in human cells by gold-capped mesoporous silica nanosphere. <i>Journal of the American Chemical Society</i> , 2009 , 131, 3462-3	16.4	577
44	Mesoporous silica nanoparticles for reducing hemolytic activity towards mammalian red blood cells. <i>Small</i> , 2009 , 5, 57-62	11	413
43	Mesoporous silica nanoparticles: structural design and applications. <i>Journal of Materials Chemistry</i> , 2010 , 20, 7924		327
42	Silica-based nanoprobe for biomedical imaging and theranostic applications. <i>Chemical Society Reviews</i> , 2012 , 41, 2673-85	58.5	317
41	Recent progress in mesoporous titania materials: adjusting morphology for innovative applications. <i>Science and Technology of Advanced Materials</i> , 2012 , 13, 013003	7.1	166
40	Capped mesoporous silica nanoparticles as stimuli-responsive controlled release systems for intracellular drug/gene delivery. <i>Expert Opinion on Drug Delivery</i> , 2010 , 7, 1013-29	8	139
39	Cell-induced intracellular controlled release of membrane impermeable cysteine from a mesoporous silica nanoparticle-based drug delivery system. <i>Chemical Communications</i> , 2009 , 3219-21	5.8	115
38	Organo-functionalized mesoporous silicas for efficient uranium extraction. <i>Microporous and Mesoporous Materials</i> , 2013 , 180, 22-31	5.3	110
37	Uranium Sorption with Functionalized Mesoporous Carbon Materials. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 15187-15197	3.9	100
36	Multifunctional mesoporous silica nanospheres with cleavable Gd(III) chelates as MRI contrast agents: synthesis, characterization, target-specificity, and renal clearance. <i>Small</i> , 2011 , 7, 3519-28	11	91
35	Inorganic-organic hybrid nanomaterials for therapeutic and diagnostic imaging applications. <i>International Journal of Molecular Sciences</i> , 2011 , 12, 3888-927	6.3	78
34	Exocytosis of mesoporous silica nanoparticles from mammalian cells: from asymmetric cell-to-cell transfer to protein harvesting. <i>Small</i> , 2011 , 7, 1526-32	11	73
33	Tuning the cellular uptake and cytotoxicity properties of oligonucleotide intercalator-functionalized mesoporous silica nanoparticles with human cervical cancer cells HeLa. <i>Biomaterials</i> , 2010 , 31, 1325-33	15.6	67
32	Surfactant-assisted controlled release of hydrophobic drugs using anionic surfactant templated mesoporous silica nanoparticles. <i>Biomaterials</i> , 2011 , 32, 6234-44	15.6	63
31	Polysilsesquioxane nanoparticles for triggered release of cisplatin and effective cancer chemoradiotherapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015 , 11, 31-8	6	58

30	Biodegradable polysilsesquioxane nanoparticles as efficient contrast agents for magnetic resonance imaging. <i>Small</i> , 2013 , 9, 3523-31	11	54
29	Mesoporous Silica Nanoparticles Loaded with Cisplatin and Phthalocyanine for Combination Chemotherapy and Photodynamic Therapy. <i>Nanomaterials</i> , 2015 , 5, 2302-2316	5.4	42
28	Mucin-1-Antibody-Conjugated Mesoporous Silica Nanoparticles for Selective Breast Cancer Detection in a Mucin-1 Transgenic Murine Mouse Model. <i>Journal of Biomedical Nanotechnology</i> , 2016 , 12, 2172-2184	4	41
27	RNA Fibers as Optimized Nanoscaffolds for siRNA Coordination and Reduced Immunological Recognition. <i>Advanced Functional Materials</i> , 2018 , 28, 1805959	15.6	39
26	Cellular Endocytosis and Trafficking of Cholera Toxin B-Modified Mesoporous Silica Nanoparticles. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 1254-1262	7.3	33
25	In vitro evaluation of folic acid-conjugated redox-responsive mesoporous silica nanoparticles for the delivery of cisplatin. <i>International Journal of Nanomedicine</i> , 2016 , 11, 6251-6265	7.3	30
24	Multimodal Polysilsesquioxane Nanoparticles for Combinatorial Therapy and Gene Delivery in Triple-Negative Breast Cancer. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 12308-12320	9.5	27
23	Stimuli-responsive protoporphyrin IX silica-based nanoparticles for photodynamic therapy in vitro. <i>RSC Advances</i> , 2014 , 4, 14400-14407	3.7	21
22	Hybrid Nanomaterials Based on Iron Oxide Nanoparticles and Mesoporous Silica Nanoparticles: Overcoming Challenges in Current Cancer Treatments. <i>Journal of Chemistry</i> , 2016 , 2016, 1-15	2.3	18
21	Combination of Nucleic Acid and Mesoporous Silica Nanoparticles: Optimization and Therapeutic Performance In Vitro. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 38873-38886	9.5	16
20	Effect of the surface charge of silica nanoparticles on oil recovery: wettability alteration of sandstone cores and imbibition experiments. <i>International Nano Letters</i> , 2018 , 8, 181-188	5.7	15
19	MESOPOROUS SILICA NANOPARTICLES: SYNTHESIS AND APPLICATIONS. <i>Annual Review of Nano Research</i> , 2009 , 191-231		15
18	Influence of Cationic -Substituted Porphyrins on the Antimicrobial Photodynamic Efficacy and Cell Membrane Interaction in. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	13
17	SERS and integrative imaging upon internalization of quantum dots into human oral epithelial cells. <i>Journal of Biophotonics</i> , 2016 , 9, 683-93	3.1	12
16	Redox-Responsive Porphyrin-Based Polysilsesquioxane Nanoparticles for Photodynamic Therapy of Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2015 , 17,	6.3	11
15	Labeling of HeLa cells using ZrO ₂ :Yb(3+)-Er(3+) nanoparticles with upconversion emission. <i>Journal of Biomedical Optics</i> , 2015 , 20, 046006	3.5	10
14	DNA-Templated Synthesis of Fluorescent Silver Nanoclusters. <i>Journal of Chemical Education</i> , 2020 , 97, 1992-1996	2.4	10
13	Nanoparticle mediated silencing of tenascin C in hepatic stellate cells: effect on inflammatory gene expression and cell migration. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 7396-7405	7.3	10

12	Biodegradable Silica-Based Nanoparticles with Improved and Safe Delivery of Protoporphyrin IX for the In Vivo Photodynamic Therapy of Breast Cancer. <i>Advanced Therapeutics</i> , 2020 , 3, 2000022	4.9	9
11	Use of Polyhedral Oligomeric Silsesquioxane (POSS) in Drug Delivery, Photodynamic Therapy and Bioimaging. <i>Molecules</i> , 2021 , 26,	4.8	7
10	SERS-active Au/SiO ₂ clouds in powder for rapid ex vivo breast adenocarcinoma diagnosis. <i>Biomedical Optics Express</i> , 2016 , 7, 2407-18	3.5	6
9	Porphyrin-based polysilsesquioxane nanoparticles to improve photodynamic therapy for cancer treatment 2014 ,		5
8	Evaluation of Polyhedral Oligomeric Silsesquioxane Porphyrin Derivatives on Photodynamic Therapy. <i>Molecules</i> , 2020 , 25,	4.8	4
7	Advanced Nanoengineering Approach for Target-Specific, Spatiotemporal, and Ratiometric Delivery of Gemcitabine-Cisplatin Combination for Improved Therapeutic Outcome in Pancreatic Cancer. <i>Small</i> , 2021 , 18, e2104449	11	2
6	Imaging and SERS Study of the Au Nanoparticles Interaction with HPV and Carcinogenic Cervical Tissues. <i>Molecules</i> , 2021 , 26,	4.8	2
5	Mucin1 antibody-conjugated dye-doped mesoporous silica nanoparticles for breast cancer detection in vivo 2017 ,		1
4	Molecular dynamic simulation of polyhedral oligomeric silsesquioxane porphyrin molecules: Self-assembly and influence on morphology. <i>Materials Today Communications</i> , 2021 , 29, 102815	2.5	1
3	Preparation and In Vitro Evaluation of Alginate Microparticles Containing Amphotericin B for the Treatment of Infections. <i>International Journal of Biomaterials</i> , 2020 , 2020, 2514387	3.2	0
2	Nanoparticle-based therapeutic strategies targeting major clinical challenges in pancreatic cancer treatment. <i>Advanced Drug Delivery Reviews</i> , 2022 , 187, 114357	18.5	0
1	Drug Delivery: Exocytosis of Mesoporous Silica Nanoparticles from Mammalian Cells: From Asymmetric Cell-to-Cell Transfer to Protein Harvesting (Small 11/2011). <i>Small</i> , 2011 , 7, 1498-1498	11	