

Arturo J Vegas

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

8,135
citations

304743

22
h-index

477307

29
g-index

30
all docs

30
docs citations

30
times ranked

12654
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-viral vectors for gene-based therapy. <i>Nature Reviews Genetics</i> , 2014, 15, 541-555.	16.3	2,572
2	Delivery materials for siRNA therapeutics. <i>Nature Materials</i> , 2013, 12, 967-977.	27.5	1,513
3	Size- and shape-dependent foreign body immune response to materials implanted in rodents and non-human primates. <i>Nature Materials</i> , 2015, 14, 643-651.	27.5	700
4	Long-term glycemic control using polymer-encapsulated human stem cell-derived beta cells in immune-competent mice. <i>Nature Medicine</i> , 2016, 22, 306-311.	30.7	564
5	Combinatorial hydrogel library enables identification of materials that mitigate the foreign body response in primates. <i>Nature Biotechnology</i> , 2016, 34, 345-352.	17.5	417
6	Lipopeptide nanoparticles for potent and selective siRNA delivery in rodents and nonhuman primates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 3955-3960.	7.1	366
7	Alginate encapsulation as long-term immune protection of allogeneic pancreatic islet cells transplanted into the omental bursa of macaques. <i>Nature Biomedical Engineering</i> , 2018, 2, 810-821.	22.5	242
8	Action and Reaction: The Biological Response to siRNA and Its Delivery Vehicles. <i>Molecular Therapy</i> , 2012, 20, 513-524.	8.2	231
9	Colony stimulating factor-1 receptor is a central component of the foreign body response to biomaterial implants in rodents and non-human primates. <i>Nature Materials</i> , 2017, 16, 671-680.	27.5	214
10	Combinatorial synthesis of chemically diverse core-shell nanoparticles for intracellular delivery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 12996-13001.	7.1	178
11	Reduction of measurement noise in a continuous glucose monitor by coating the sensor with a zwitterionic polymer. <i>Nature Biomedical Engineering</i> , 2018, 2, 894-906.	22.5	150
12	Core-Shell Hydrogel Microcapsules for Improved Islets Encapsulation. <i>Advanced Healthcare Materials</i> , 2013, 2, 667-672.	7.6	141
13	Domesticating the foreign body response: Recent advances and applications. <i>Advanced Drug Delivery Reviews</i> , 2019, 144, 148-161.	13.7	126
14	Painting blood vessels and atherosclerotic plaques with an adhesive drug depot. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 21444-21449.	7.1	117
15	Neutrophil Responses to Sterile Implant Materials. <i>PLoS ONE</i> , 2015, 10, e0137550.	2.5	92
16	Small-molecule microarrays as tools in ligand discovery. <i>Chemical Society Reviews</i> , 2008, 37, 1385.	38.1	87
17	Fluorous-Based Small-Molecule Microarrays for the Discovery of Histone Deacetylase Inhibitors. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7960-7964.	13.8	84
18	Microfluidic Fabrication of Colloidal Nanomaterials-Encapsulated Microcapsules for Biomolecular Sensing. <i>Nano Letters</i> , 2017, 17, 2015-2020.	9.1	78

#	ARTICLE	IF	CITATIONS
19	Sequence-Defined Oligomers from Hydroxyproline Building Blocks for Parallel Synthesis Applications. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9529-9533.	13.8	56
20	Attacking the genome: emerging siRNA nanocarriers from concept to clinic. <i>Current Opinion in Pharmacology</i> , 2012, 12, 427-433.	3.5	51
21	A Facile and Versatile Method to Endow Biomaterial Devices with Zwitterionic Surface Coatings. <i>Advanced Healthcare Materials</i> , 2017, 6, 1601091.	7.6	51
22	Combinatorial synthesis with high throughput discovery of protein-resistant membrane surfaces. <i>Biomaterials</i> , 2013, 34, 6133-6138.	11.4	29
23	Sequence-Defined Oligomers from Hydroxyproline Building Blocks for Parallel Synthesis Applications. <i>Angewandte Chemie</i> , 2016, 128, 9681-9685.	2.0	22
24	High Throughput Layer-by-Layer Films for Extracting Film Forming Parameters and Modulating Film Interactions with Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 2255-2261.	8.0	18
25	Targeting Type 1 Diabetes: Selective Approaches for New Therapies. <i>Biochemistry</i> , 2019, 58, 214-233.	2.5	16
26	Alginate-Based Amphiphilic Block Copolymers as a Drug Codelivery Platform. <i>Nano Letters</i> , 2021, 21, 7495-7504.	9.1	8
27	A Small-Molecule Inhibitor to the Cytokine Interleukin-4. <i>ACS Chemical Biology</i> , 2020, 15, 2649-2654.	3.4	7
28	Cell Delivery: Core-Shell Hydrogel Microcapsules for Improved Islets Encapsulation (<i>Adv. Healthcare</i>)	7.6	4
29	A Quantitative Metal-Encoded Conjugate Platform for Targeting Ligand Discovery. <i>Bioconjugate Chemistry</i> , 2022, 33, 1279-1285.	3.6	1