

John T Wilson

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

3,078
citations

236833

25
h-index

182361

51
g-index

60
all docs

60
docs citations

60
times ranked

3930
citing authors

#	ARTICLE	IF	CITATIONS
1	Endosomolytic polymersomes increase the activity of cyclic dinucleotide STING agonists to enhance cancer immunotherapy. <i>Nature Nanotechnology</i> , 2019, 14, 269-278.	15.6	406
2	pH-Responsive Nanoparticle Vaccines for Dual-Delivery of Antigens and Immunostimulatory Oligonucleotides. <i>ACS Nano</i> , 2013, 7, 3912-3925.	7.3	280
3	Challenges and emerging technologies in the immunoisolation of cells and tissues. <i>Advanced Drug Delivery Reviews</i> , 2008, 60, 124-145.	6.6	183
4	Cell Surface Engineering with Polyelectrolyte Multilayer Thin Films. <i>Journal of the American Chemical Society</i> , 2011, 133, 7054-7064.	6.6	178
5	Layer-by-Layer Assembly of a Conformal Nanothin PEG Coating for Intraportal Islet Transplantation. <i>Nano Letters</i> , 2008, 8, 1940-1948.	4.5	177
6	Therapeutically Active RIG-I Agonist Induces Immunogenic Tumor Cell Killing in Breast Cancers. <i>Cancer Research</i> , 2018, 78, 6183-6195.	0.4	130
7	Neutral polymer micelle carriers with pH-responsive, endosome-releasing activity modulate antigen trafficking to enhance CD8 ⁺ T cell responses. <i>Journal of Controlled Release</i> , 2014, 191, 24-33.	4.8	119
8	Noncovalent Cell Surface Engineering with Cationic Graft Copolymers. <i>Journal of the American Chemical Society</i> , 2009, 131, 18228-18229.	6.6	107
9	Co-delivery of Peptide Neoantigens and Stimulator of Interferon Genes Agonists Enhances Response to Cancer Vaccines. <i>ACS Nano</i> , 2020, 14, 9904-9916.	7.3	97
10	Potent STING activation stimulates immunogenic cell death to enhance antitumor immunity in neuroblastoma. , 2020, 8, e000282.		95
11	Chemical and Biomolecular Strategies for STING Pathway Activation in Cancer Immunotherapy. <i>Chemical Reviews</i> , 2022, 122, 5977-6039.	23.0	92
12	Surface Re-engineering of Pancreatic Islets with Recombinant azido-Thrombomodulin. <i>Bioconjugate Chemistry</i> , 2007, 18, 1713-1715.	1.8	89
13	Mucosal Immunization with a pH-Responsive Nanoparticle Vaccine Induces Protective CD8 ⁺ Lung-Resident Memory T Cells. <i>ACS Nano</i> , 2019, 13, 10939-10960.	7.3	89
14	Poly(propylacrylic acid)-peptide nanoplexes as a platform for enhancing the immunogenicity of neoantigen cancer vaccines. <i>Biomaterials</i> , 2018, 182, 82-91.	5.7	77
15	Gold Nanoantenna-Mediated Photothermal Drug Delivery from Thermosensitive Liposomes in Breast Cancer. <i>ACS Omega</i> , 2016, 1, 234-243.	1.6	62
16	Nanoparticle delivery improves the pharmacokinetic properties of cyclic dinucleotide STING agonists to open a therapeutic window for intravenous administration. <i>Journal of Controlled Release</i> , 2021, 330, 1118-1129.	4.8	58
17	Enhancement of MHC-I Antigen Presentation via Architectural Control of pH-Responsive, Endosomolytic Polymer Nanoparticles. <i>AAPS Journal</i> , 2015, 17, 358-369.	2.2	52
18	Delivery of 5â€²-triphosphate RNA with endosomolytic nanoparticles potently activates RIG-I to improve cancer immunotherapy. <i>Biomaterials Science</i> , 2019, 7, 547-559.	2.6	49

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19	Multimodal Multiplexed Immunoimaging with Nanostars to Detect Multiple Immunomarkers and Monitor Response to Immunotherapies. <i>ACS Nano</i> , 2020, 14, 651-663.	7.3	49
20	Recent advances in polymeric materials for the delivery of RNA therapeutics. <i>Expert Opinion on Drug Delivery</i> , 2019, 16, 1149-1167.	2.4	46
21	A high-throughput Galectin-9 imaging assay for quantifying nanoparticle uptake, endosomal escape and functional RNA delivery. <i>Communications Biology</i> , 2021, 4, 211.	2.0	45
22	Thrombomodulin Improves Early Outcomes After Intraportal Islet Transplantation. <i>American Journal of Transplantation</i> , 2009, 9, 1308-1316.	2.6	40
23	Gentisuric acid: Metabolic formation in animals and identification as a metabolite of aspirin in man. <i>Clinical Pharmacology and Therapeutics</i> , 1978, 23, 635-643.	2.3	39
24	Biomolecular surface engineering of pancreatic islets with thrombomodulin. <i>Acta Biomaterialia</i> , 2010, 6, 1895-1903.	4.1	38
25	Dynamic intracellular delivery of antibiotics via pH-responsive polymersomes. <i>Polymer Chemistry</i> , 2015, 6, 1255-1266.	1.9	34
26	Construction of pegylated multilayer architectures via (strept)avidin/biotin interactions. <i>Materials Science and Engineering C</i> , 2007, 27, 402-408.	3.8	29
27	In vivo biocompatibility and stability of a substrate-supported polymerizable membrane-mimetic film. <i>Biomaterials</i> , 2007, 28, 609-617.	5.7	26
28	Thrombosis and Inflammation in Intraportal Islet Transplantation: A Review of Pathophysiology and Emerging Therapeutics. <i>Journal of Diabetes Science and Technology</i> , 2008, 2, 746-759.	1.3	26
29	An Automated Process for Layer-by-Layer Assembly of Polyelectrolyte Multilayer Thin Films on Viable Cell Aggregates. <i>Advanced Healthcare Materials</i> , 2013, 2, 266-270.	3.9	25
30	Fatty Acid-Mimetic Micelles for Dual Delivery of Antigens and Imidazoquinoline Adjuvants. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 179-194.	2.6	25
31	Chemoselective Immobilization of Peptides on Abiotic and Cell Surfaces at Controlled Densities. <i>Langmuir</i> , 2010, 26, 7675-7678.	1.6	22
32	A sweeter approach to vaccine design. <i>Science</i> , 2019, 363, 584-585.	6.0	22
33	At the bench: Engineering the next generation of cancer vaccines. <i>Journal of Leukocyte Biology</i> , 2020, 108, 1435-1453.	1.5	22
34	Disposition of propoxyphene and propranolol in children. <i>Clinical Pharmacology and Therapeutics</i> , 1976, 19, 264-270.	2.3	21
35	Vaccine delivery: where polymer chemistry meets immunology. <i>Therapeutic Delivery</i> , 2016, 7, 193-196.	1.2	21
36	Structural Optimization of Polymeric Carriers to Enhance the Immunostimulatory Activity of Molecularly Defined RIG-I Agonists. <i>ACS Central Science</i> , 2020, 6, 2008-2022.	5.3	20

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37	Three-dimensional localization of polymer nanoparticles in cells using ToF-SIMS. <i>Biointerphases</i> , 2016, 11, 02A304.	0.6	19
38	The efficiency of cytosolic drug delivery using pH-responsive endosomolytic polymers does not correlate with activation of the NLRP3 inflammasome. <i>Biomaterials Science</i> , 2019, 7, 1888-1897.	2.6	19
39	Discovering protective CD8 T cell epitopes—no single immunologic property predicts it!. <i>Current Opinion in Immunology</i> , 2015, 34, 43-51.	2.4	18
40	High-Throughput Automation of Endosomolytic Polymers for mRNA Delivery. <i>ACS Applied Bio Materials</i> , 2021, 4, 1640-1654.	2.3	15
41	A nanovaccine for enhancing cellular immunity via cytosolic co-delivery of antigen and polyIC RNA. <i>Journal of Controlled Release</i> , 2022, 345, 354-370.	4.8	14
42	Environmentally Triggerable Retinoic Acid-Inducible Gene I Agonists Using Synthetic Polymer Overhangs. <i>Bioconjugate Chemistry</i> , 2018, 29, 742-747.	1.8	13
43	Engineering Vaccines for Tissue-Resident Memory T Cells. <i>Advanced Therapeutics</i> , 2021, 4, 2000230.	1.6	13
44	Pharmacological Activation of cGAS for Cancer Immunotherapy. <i>Frontiers in Immunology</i> , 2021, 12, 753472.	2.2	13
45	Bioinspired vaccines to enhance MHC class-I antigen cross-presentation. <i>Current Opinion in Immunology</i> , 2022, 77, 102215.	2.4	12
46	Amphiphilic Polyelectrolyte Graft Copolymers Enhance the Activity of Cyclic Dinucleotide STING Agonists. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001056.	3.9	10
47	Microparticle Depots for Controlled and Sustained Release of Endosomolytic Nanoparticles. <i>Cellular and Molecular Bioengineering</i> , 2019, 12, 429-442.	1.0	9
48	Heterotypic immunity against vaccinia virus in an HLA-B*07:02 transgenic mousepox infection model. <i>Scientific Reports</i> , 2020, 10, 13167.	1.6	9
49	Eliciting Epitope-Specific CD8+ T Cell Response by Immunization with Microbial Protein Antigens Formulated with β -Galactosylceramide: Theory, Practice, and Protocols. <i>Methods in Molecular Biology</i> , 2017, 1494, 321-352.	0.4	8
50	Abstract 4978: Digital spatial profiling of molecular responses to nanoparticle STING agonists identify S100A9 and B7-H3 as possible escape mechanisms. <i>Cancer Research</i> , 2019, 79, 4978-4978.	0.4	3
51	Molecular Engineering of Cell and Tissue Surfaces with Polymer Thin Films. , 2014, , 281-314.		2
52	Targeting. , 2013, , 1028-1036.		1
53	Effect of the Conjugation of Peg to the PLL on the Micro- and Mesoscopic Properties of a POPC Bilayer. <i>Biophysical Journal</i> , 2010, 98, 91a.	0.2	0
54	Building new roads to stronger immunity. <i>Science Advances</i> , 2021, 7, .	4.7	0

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55	Endosomal Escape: Amphiphilic Polyelectrolyte Graft Copolymers Enhance the Activity of Cyclic Dinucleotide STING Agonists (Adv. Healthcare Mater. 2/2021). Advanced Healthcare Materials, 2021, 10, 2170004.	3.9	0
56	Abstract A187: RIG-I agonists reinforce antitumor adaptive immunity and decrease Treg activity in breast cancer. , 2019, , .		0
57	Nano-Particulate Platforms for Vaccine Delivery to Enhance Antigen-Specific CD8+ T-Cell Response. Methods in Molecular Biology, 2022, 2412, 367-398.	0.4	0