

# Jacob M Berlin

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46  
papers

10,334  
citations

27  
h-index

48  
g-index

48  
ext. papers

11,546  
ext. citations

9.1  
avg, IF

5.78  
L-index

#	Paper	IF	Citations
46	Large, Anionic Liposomes Enable Targeted Intraperitoneal Delivery of a TLR 7/8 Agonist To Repolarize Ovarian Tumors. <i>Bioconjugate Chemistry</i> , <b>2021</b> , 32, 1581-1592	6.3	1
45	Thermal analysis of laser irradiation-gold nanorod combinations at 808 nm, 940 nm, 975 nm and 1064 nm wavelengths in breast cancer model. <i>International Journal of Hyperthermia</i> , <b>2021</b> , 38, 1099-1110	3.7	3
44	Dynamically Programmable Magnetic Fields for Controlled Movement of Cells Loaded with Iron Oxide Nanoparticles. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 4139-4147	4.1	2
43	A Systematic comparison of in vitro cell uptake and in vivo biodistribution for three classes of gold nanoparticles with saturated PEG coatings. <i>PLoS ONE</i> , <b>2020</b> , 15, e0234916	3.7	6
42	Use of a bioengineered antioxidant in mouse models of metabolic syndrome. <i>Expert Opinion on Investigational Drugs</i> , <b>2020</b> , 29, 209-219	5.9	
41	Surgery-Guided Removal of Ovarian Cancer Using Up-Converting Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 48371-48379	9.5	2
40	Specific targeting of ovarian tumor-associated macrophages by large, anionic nanoparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 19737-19745	11.5	9
39	Silica Coated Paclitaxel Nanocrystals Enable Neural Stem Cell Loading For Treatment of Ovarian Cancer. <i>Bioconjugate Chemistry</i> , <b>2019</b> , 30, 1415-1424	6.3	6
38	Colloidal Capsules Assembled from Gold Nanoparticles Using Small-Molecule Hydrophobic Cross-linkers. <i>Langmuir</i> , <b>2019</b> , 35, 17037-17045	4	
37	Effect of PLGA block molecular weight on gelling temperature of PLGA-PEG-PLGA thermoresponsive copolymers. <i>Journal of Polymer Science Part A</i> , <b>2019</b> , 57, 35-39	2.5	29
36	Coating Metal Nanoparticle Surfaces with Small Organic Molecules Can Reduce Nonspecific Cell Uptake. <i>ACS Nano</i> , <b>2018</b> , 12, 117-127	16.7	23
35	Immunostimulatory CpG on Carbon Nanotubes Selectively Inhibits Migration of Brain Tumor Cells. <i>Bioconjugate Chemistry</i> , <b>2018</b> , 29, 1659-1668	6.3	13
34	Intraperitoneal Administration of Neural Stem Cell-Nanoparticle Conjugates Targets Chemotherapy to Ovarian Tumors. <i>Bioconjugate Chemistry</i> , <b>2017</b> , 28, 1767-1776	6.3	29
33	Exploiting homing abilities of cell carriers: Targeted delivery of nanoparticles for cancer therapy. <i>Biochemical Pharmacology</i> , <b>2017</b> , 145, 18-26	6	18
32	Challenges in realizing selectivity for nanoparticle biodistribution and clearance: lessons from gold nanoparticles. <i>Therapeutic Delivery</i> , <b>2017</b> , 8, 763-774	3.8	63
31	Self-Assembled Plasmonic Metamolecules Exhibiting Tunable Magnetic Response at Optical Frequencies. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 15915-15921	3.8	16
30	Colorimetric Detection of Staphylococcus aureus Contaminated Solutions without Purification. <i>Bioconjugate Chemistry</i> , <b>2017</b> , 28, 183-193	6.3	7

29	Gold nanorod-mediated near-infrared laser ablation: in vivo experiments on mice and theoretical analysis at different settings. <i>International Journal of Hyperthermia</i> , <b>2017</b> , 33, 150-159	3.7	33
28	Focusing light inside scattering media with magnetic-particle-guided wavefront shaping. <i>Optica</i> , <b>2017</b> , 4, 1337-1343	8.6	28
27	Impact of Cross-Linker Valency on Gold Nanoparticle Aggregate Formation and Cellular Uptake. <i>Langmuir</i> , <b>2017</b> , 33, 14358-14365	4	4
26	Metronomic Doses of Temozolomide Enhance the Efficacy of Carbon Nanotube CpG Immunotherapy in an Invasive Glioma Model. <i>PLoS ONE</i> , <b>2016</b> , 11, e0148139	3.7	31
25	Functionalized iron oxide nanoparticles for controlling the movement of immune cells. <i>Nanoscale</i> , <b>2015</b> , 7, 7780-9	7.7	21
24	Gold Nanoparticles: Controlled Assembly of Biocompatible Metallic Nanoaggregates Using a Small Molecule Crosslinker (Adv. Mater. 35/2015). <i>Advanced Materials</i> , <b>2015</b> , 27, 5251-5251	24	1
23	Controlled Assembly of Biocompatible Metallic Nanoaggregates Using a Small Molecule Crosslinker. <i>Advanced Materials</i> , <b>2015</b> , 27, 5158-64	24	40
22	Nanoparticulate carbon black in cigarette smoke induces DNA cleavage and Th17-mediated emphysema. <i>ELife</i> , <b>2015</b> , 4, e09623	8.9	45
21	Neural stem cell-mediated intratumoral delivery of gold nanorods improves photothermal therapy. <i>ACS Nano</i> , <b>2014</b> , 8, 12450-60	16.7	119
20	Conjugation of pH-responsive nanoparticles to neural stem cells improves intratumoral therapy. <i>Journal of Controlled Release</i> , <b>2014</b> , 191, 82-9	11.7	43
19	Neural stem cells improve intracranial nanoparticle retention and tumor-selective distribution. <i>Future Oncology</i> , <b>2014</b> , 10, 401-15	3.6	41
18	Biocompatibility of pristine graphene for neuronal interface. <i>Journal of Neurosurgery: Pediatrics</i> , <b>2013</b> , 11, 575-83	2.1	53
17	Cancer Therapy: Gold Nanoparticle-Loaded Neural Stem Cells for Photothermal Ablation of Cancer (Adv. Healthcare Mater. 7/2013). <i>Advanced Healthcare Materials</i> , <b>2013</b> , 2, 922-922	10.1	
16	Design of poly(ethylene glycol)-functionalized hydrophilic carbon clusters for targeted therapy of cerebrovascular dysfunction in mild traumatic brain injury. <i>Journal of Neurotrauma</i> , <b>2013</b> , 30, 789-96	5.4	31
15	Matrix metalloproteinase-triggered denuding of engineered gold nanoparticles for selective cell uptake. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 2341-2349	7.3	15
14	Gold nanoparticle-loaded neural stem cells for photothermal ablation of cancer. <i>Advanced Healthcare Materials</i> , <b>2013</b> , 2, 976-82	10.1	53
13	Competitive activity-based protein profiling identifies aza-lactams as a versatile chemotype for serine hydrolase inhibition. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 5068-71	16.4	39
12	Noncovalent assembly of targeted carbon nanovectors enables synergistic drug and radiation cancer therapy in vivo. <i>ACS Nano</i> , <b>2012</b> , 6, 2497-505	16.7	23

11	Antioxidant carbon particles improve cerebrovascular dysfunction following traumatic brain injury. <i>ACS Nano</i> , <b>2012</b> , 6, 8007-14	16.7	88
10	Antibody-targeted nanovectors for the treatment of brain cancers. <i>ACS Nano</i> , <b>2012</b> , 6, 3114-20	16.7	21
9	Noncovalent functionalization of carbon nanovectors with an antibody enables targeted drug delivery. <i>ACS Nano</i> , <b>2011</b> , 5, 6643-50	16.7	43
8	Academic cross-fertilization by public screening yields a remarkable class of protein phosphatase methylesterase-1 inhibitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 6811-6	11.5	83
7	Effective drug delivery, in vitro and in vivo, by carbon-based nanovectors noncovalently loaded with unmodified Paclitaxel. <i>ACS Nano</i> , <b>2010</b> , 4, 4621-36	16.7	75
6	Improved synthesis of graphene oxide. <i>ACS Nano</i> , <b>2010</b> , 4, 4806-14	16.7	8269
5	Carbon-Carbon Bond Formation on Reaction of a Copper(I) Stannyl Complex with Carbon Dioxide. <i>Organometallics</i> , <b>2008</b> , 27, 2682-2684	3.8	31
4	Ruthenium-catalyzed ring-closing metathesis to form tetrasubstituted olefins. <i>Organic Letters</i> , <b>2007</b> , 9, 1339-42	6.2	144
3	Highly efficient ruthenium catalysts for the formation of tetrasubstituted olefins via ring-closing metathesis. <i>Organic Letters</i> , <b>2007</b> , 9, 1589-92	6.2	262
2	Highly active chiral ruthenium catalysts for asymmetric cross- and ring-opening cross-metathesis. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 7591-5	16.4	126
1	Highly active chiral ruthenium catalysts for asymmetric ring-closing olefin metathesis. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 1840-6	16.4	216