

# Jacob M Berlin

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/1196384/jacob-m-berlin-publications-by-citations.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Improved synthesis of graphene oxide. <i>ACS Nano</i> , <b>2010</b> , 4, 4806-14	16.7	8269
45	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
44	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
43	Ruthenium-catalyzed ring-closing metathesis to form tetrasubstituted olefins. <i>Organic Letters</i> , <b>2007</b> , 9, 1339-42	6.2	144
42	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
41	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
40	Antioxidant carbon particles improve cerebrovascular dysfunction following traumatic brain injury. <i>ACS Nano</i> , <b>2012</b> , 6, 8007-14	16.7	88
39	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
38	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
37	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
36	Biocompatibility of pristine graphene for neuronal interface. <i>Journal of Neurosurgery: Pediatrics</i> , <b>2013</b> , 11, 575-83	2.1	53
35	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
34	Nanoparticulate carbon black in cigarette smoke induces DNA cleavage and Th17-mediated emphysema. <i>ELife</i> , <b>2015</b> , 4, e09623	8.9	45
33	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
32	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
31	Neural stem cells improve intracranial nanoparticle retention and tumor-selective distribution. <i>Future Oncology</i> , <b>2014</b> , 10, 401-15	3.6	41
30	Controlled Assembly of Biocompatible Metallic Nanoaggregates Using a Small Molecule Crosslinker. <i>Advanced Materials</i> , <b>2015</b> , 27, 5158-64	24	40

29	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
28	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
27	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
26	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
25	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
24	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
23	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
22	Focusing light inside scattering media with magnetic-particle-guided wavefront shaping. <i>Optica</i> , <b>2017</b> , 4, 1337-1343	8.6	28
21	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
20	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
19	Functionalized iron oxide nanoparticles for controlling the movement of immune cells. <i>Nanoscale</i> , <b>2015</b> , 7, 7780-9	7.7	21
18	Antibody-targeted nanovectors for the treatment of brain cancers. <i>ACS Nano</i> , <b>2012</b> , 6, 3114-20	16.7	21
17	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
16	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
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	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
13	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
12	Colorimetric Detection of Staphylococcus aureus Contaminated Solutions without Purification. <i>Bioconjugate Chemistry</i> , <b>2017</b> , 28, 183-193	6.3	7

11	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
10	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
9	Impact of Cross-Linker Valency on Gold Nanoparticle Aggregate Formation and Cellular Uptake. <i>Langmuir</i> , <b>2017</b> , 33, 14358-14365	4	4
8	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
7	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
6	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
5	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
4	Large, Anionic Liposomes Enable Targeted Intraperitoneal Delivery of a TLR 7/8 Agonist To Repolarize Ovarian TumorsMicroenvironment. <i>Bioconjugate Chemistry</i> , <b>2021</b> , 32, 1581-1592	6.3	1
3	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	
2	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	
1	Colloidal Capsules Assembled from Gold Nanoparticles Using Small-Molecule Hydrophobic Cross-linkers. <i>Langmuir</i> , <b>2019</b> , 35, 17037-17045	4	