

Yevgeny Brudno

List of Publications by Citations

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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.

24
papers

5,874
citations

15
h-index

27
g-index

27
ext. papers

6,548
ext. citations

13.6
avg. IF

5.08
L-index

#	Paper	IF	Citations
24	Conversion of 5-methylcytosine to 5-hydroxymethylcytosine in mammalian DNA by MLL partner TET1. <i>Science</i> , 2009 , 324, 930-5	33.3	4222
23	Genome-wide mapping of 5-hydroxymethylcytosine in embryonic stem cells. <i>Nature</i> , 2011 , 473, 394-7	50.4	653
22	Enhancing microvascular formation and vessel maturation through temporal control over multiple pro-angiogenic and pro-maturation factors. <i>Biomaterials</i> , 2013 , 34, 9201-9	15.6	143
21	DNA-templated polymerization of side-chain-functionalized peptide nucleic acid aldehydes. <i>Journal of the American Chemical Society</i> , 2008 , 130, 4646-59	16.4	123
20	Comparison of biomaterial delivery vehicles for improving acute retention of stem cells in the infarcted heart. <i>Biomaterials</i> , 2014 , 35, 6850-6858	15.6	119
19	On-demand drug delivery from local depots. <i>Journal of Controlled Release</i> , 2015 , 219, 8-17	11.7	101
18	Recent progress toward the templated synthesis and directed evolution of sequence-defined synthetic polymers. <i>Chemistry and Biology</i> , 2009 , 16, 265-76		82
17	An in vitro translation, selection and amplification system for peptide nucleic acids. <i>Nature Chemical Biology</i> , 2010 , 6, 148-55	11.7	73
16	Refilling drug delivery depots through the blood. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 12722-7	11.5	70
15	Sustained delivery of VEGF maintains innervation and promotes reperfusion in ischemic skeletal muscles via NGF/GDNF signaling. <i>Molecular Therapy</i> , 2014 , 22, 1243-1253	11.7	65
14	Platelet-Inspired Nanocells for Targeted Heart Repair After Ischemia/Reperfusion Injury. <i>Advanced Functional Materials</i> , 2019 , 29, 1803567	15.6	58
13	Three-dimensional human tissue models that incorporate diabetic foot ulcer-derived fibroblasts mimic in vivo features of chronic wounds. <i>Tissue Engineering - Part C: Methods</i> , 2015 , 21, 499-508	2.9	52
12	In vivo targeting through click chemistry. <i>ChemMedChem</i> , 2015 , 10, 617-20	3.7	27
11	Replenishable drug depot to combat post-resection cancer recurrence. <i>Biomaterials</i> , 2018 , 178, 373-382	15.6	27
10	Fibroblasts derived from human pluripotent stem cells activate angiogenic responses in vitro and in vivo. <i>PLoS ONE</i> , 2013 , 8, e83755	3.7	18
9	Click cross-linking improves retention and targeting of refillable alginate depots. <i>Acta Biomaterialia</i> , 2020 , 112, 112-121	10.8	11
8	Clickable, acid labile immunosuppressive prodrugs for in vivo targeting. <i>Biomaterials Science</i> , 2020 , 8, 266-277	7.4	11

7	Scaffold-Mediated Static Transduction of T Cells for CAR-T Cell Therapy. <i>Advanced Healthcare Materials</i> , 2020 , 9, e2000275	10.1	7
6	Targeting Using Arylboronate/Nopoldiol Click Conjugation. <i>Bioconjugate Chemistry</i> , 2020 , 31, 2288-22926.3	3	
5	Extracellular-Matrix-Anchored Click Motifs for Specific Tissue Targeting. <i>Molecular Pharmaceutics</i> , 2020 , 17, 392-403	5.6	3
4	Bioinstructive implantable scaffolds for rapid in vivo manufacture and release of CAR-T cells.. <i>Nature Biotechnology</i> , 2022 ,	44.5	3
3	Regenerating Antithrombotic Surfaces through Nucleic Acid Displacement. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 2159-2166	5.5	2
2	Restoring Carboxylates on Highly Modified Alginates Improves Gelation, Tissue Retention and Systemic Capture. <i>Acta Biomaterialia</i> , 2021 , 138, 208-208	10.8	0
1	On-Demand Drug Release from Click-Refillable Drug Depots. <i>Molecular Pharmaceutics</i> , 2021 , 18, 3920-3926	3.25	0