

# Yevgeny Brudno

## 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.

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	Bioinstructive implantable scaffolds for rapid in vivo manufacture and release of CAR-T cells.. <i>Nature Biotechnology</i> , <b>2022</b> ,	44.5	3
23	Restoring Carboxylates on Highly Modified Alginates Improves Gelation, Tissue Retention and Systemic Capture. <i>Acta Biomaterialia</i> , <b>2021</b> , 138, 208-208	10.8	0
22	On-Demand Drug Release from Click-Refillable Drug Depots. <i>Molecular Pharmaceutics</i> , <b>2021</b> , 18, 3920-3925	10.8	0
21	Click cross-linking improves retention and targeting of refillable alginate depots. <i>Acta Biomaterialia</i> , <b>2020</b> , 112, 112-121	10.8	11
20	Scaffold-Mediated Static Transduction of T Cells for CAR-T Cell Therapy. <i>Advanced Healthcare Materials</i> , <b>2020</b> , 9, e2000275	10.1	7
19	Regenerating Antithrombotic Surfaces through Nucleic Acid Displacement. <i>ACS Biomaterials Science and Engineering</i> , <b>2020</b> , 6, 2159-2166	5.5	2
18	Clickable, acid labile immunosuppressive prodrugs for in vivo targeting. <i>Biomaterials Science</i> , <b>2020</b> , 8, 266-277	7.4	11
17	Targeting Using Arylboronate/Nopoldiol Click Conjugation. <i>Bioconjugate Chemistry</i> , <b>2020</b> , 31, 2288-2292	6.3	3
16	Extracellular-Matrix-Anchored Click Motifs for Specific Tissue Targeting. <i>Molecular Pharmaceutics</i> , <b>2020</b> , 17, 392-403	5.6	3
15	Platelet-Inspired Nanocells for Targeted Heart Repair After Ischemia/Reperfusion Injury. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1803567	15.6	58
14	Replenishable drug depot to combat post-resection cancer recurrence. <i>Biomaterials</i> , <b>2018</b> , 178, 373-382	15.6	27
13	In vivo targeting through click chemistry. <i>ChemMedChem</i> , <b>2015</b> , 10, 617-20	3.7	27
12	On-demand drug delivery from local depots. <i>Journal of Controlled Release</i> , <b>2015</b> , 219, 8-17	11.7	101
11	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> , <b>2015</b> , 21, 499-508	2.9	52
10	Refilling drug delivery depots through the blood. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 12722-7	11.5	70
9	Comparison of biomaterial delivery vehicles for improving acute retention of stem cells in the infarcted heart. <i>Biomaterials</i> , <b>2014</b> , 35, 6850-6858	15.6	119
8	Sustained delivery of VEGF maintains innervation and promotes reperfusion in ischemic skeletal muscles via NGF/GDNF signaling. <i>Molecular Therapy</i> , <b>2014</b> , 22, 1243-1253	11.7	65

7	Enhancing microvascular formation and vessel maturation through temporal control over multiple pro-angiogenic and pro-maturation factors. <i>Biomaterials</i> , <b>2013</b> , 34, 9201-9	15.6	143
6	Fibroblasts derived from human pluripotent stem cells activate angiogenic responses in vitro and in vivo. <i>PLoS ONE</i> , <b>2013</b> , 8, e83755	3.7	18
5	Genome-wide mapping of 5-hydroxymethylcytosine in embryonic stem cells. <i>Nature</i> , <b>2011</b> , 473, 394-7	50.4	653
4	An in vitro translation, selection and amplification system for peptide nucleic acids. <i>Nature Chemical Biology</i> , <b>2010</b> , 6, 148-55	11.7	73
3	Recent progress toward the templated synthesis and directed evolution of sequence-defined synthetic polymers. <i>Chemistry and Biology</i> , <b>2009</b> , 16, 265-76		82
2	Conversion of 5-methylcytosine to 5-hydroxymethylcytosine in mammalian DNA by MLL partner TET1. <i>Science</i> , <b>2009</b> , 324, 930-5	33.3	4222
1	DNA-templated polymerization of side-chain-functionalized peptide nucleic acid aldehydes. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 4646-59	16.4	123