

# Abigail K Grosskopf

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2620006/publications.pdf>

Version: 2024-02-01

20  
papers

1,178  
citations

687363

13  
h-index

752698

20  
g-index

31  
all docs

31  
docs citations

31  
times ranked

889  
citing authors

#	ARTICLE	IF	CITATIONS
1	Translational Applications of Hydrogels. <i>Chemical Reviews</i> , 2021, 121, 11385-11457.	47.7	438
2	Viscoplastic Matrix Materials for Embedded 3D Printing. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 23353-23361.	8.0	167
3	Delivery of CAR-T cells in a transient injectable stimulatory hydrogel niche improves treatment of solid tumors. <i>Science Advances</i> , 2022, 8, eabn8264.	10.3	80
4	Combinatorial Polyacrylamide Hydrogels for Preventing Biofouling on Implantable Biosensors. <i>Advanced Materials</i> , 2022, 34, e2109764.	21.0	56
5	Injectable supramolecular polymer-nanoparticle hydrogels enhance human mesenchymal stem cell delivery. <i>Bioengineering and Translational Medicine</i> , 2020, 5, e10147.	7.1	55
6	A co-formulation of supramolecularly stabilized insulin and pramlintide enhances mealtime glucagon suppression in diabetic pigs. <i>Nature Biomedical Engineering</i> , 2020, 4, 507-517.	22.5	52
7	Non-Newtonian Polymer-Nanoparticle Hydrogels Enhance Cell Viability during Injection. <i>Macromolecular Bioscience</i> , 2019, 19, e1800275.	4.1	49
8	Hydrogel-Based Slow Release of a Receptor-Binding Domain Subunit Vaccine Elicits Neutralizing Antibody Responses Against SARS-CoV-2. <i>Advanced Materials</i> , 2021, 33, e2104362.	21.0	48
9	An ultrafast insulin formulation enabled by high-throughput screening of engineered polymeric excipients. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	46
10	Self-Assembled, Dilution-Responsive Hydrogels for Enhanced Thermal Stability of Insulin Biopharmaceuticals. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 4221-4229.	5.2	29
11	Gelation and yielding behavior of polymer-nanoparticle hydrogels. <i>Journal of Polymer Science</i> , 2021, 59, 2854-2866.	3.8	29
12	Modulation of injectable hydrogel properties for slow controlled delivery of influenza subunit vaccine components enhance the potency of humoral immunity. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 2173-2186.	4.0	24
13	Injectable liposome-based supramolecular hydrogels for the programmable release of multiple protein drugs. <i>Matter</i> , 2022, 5, 1816-1838.	10.0	18
14	Dynamic Hydrogels for Prevention of Post-Operative Peritoneal Adhesions. <i>Advanced Therapeutics</i> , 2021, 4, 2000242.	3.2	17
15	Injectable Supramolecular Polymer-Nanoparticle Hydrogels for Cell and Drug Delivery Applications. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	14
16	Engineering Insulin Cold Chain Resilience to Improve Global Access. <i>Biomacromolecules</i> , 2021, 22, 3386-3395.	5.4	12
17	Full closed loop open-source algorithm performance comparison in pigs with diabetes. <i>Clinical and Translational Medicine</i> , 2021, 11, e387.	4.0	11
18	Highly Branched Polydimethylacrylamide Copolymers as Functional Biomaterials. <i>Biomacromolecules</i> , 2021, 22, 86-94.	5.4	9

#	ARTICLE	IF	CITATIONS
19	Consistent tumorigenesis with self-assembled hydrogels enables high-powered murine cancer studies. <i>Communications Biology</i> , 2021, 4, 985.	4.4	5
20	PNP Hydrogel Prevents Formation of Symblephara in Mice After Ocular Alkali Injury. <i>Translational Vision Science and Technology</i> , 2022, 11, 31.	2.2	2