

# Kelly R Stevens

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

4,188  
citations

394421

19  
h-index

501196

28  
g-index

29  
all docs

29  
docs citations

29  
times ranked

6416  
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering the multiscale complexity of vascular networks. <i>Nature Reviews Materials</i> , 2022, 7, 702-716.	48.7	61
2	Photopatterned biomolecule immobilization to guide three-dimensional cell fate in natural protein-based hydrogels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	61
3	Fund Black scientists. <i>Cell</i> , 2021, 184, 561-565.	28.9	107
4	Perspectives on disparities in scientific visibility. <i>Nature Reviews Materials</i> , 2021, 6, 556-559.	48.7	13
5	Embryo-scale, single-cell spatial transcriptomics. <i>Science</i> , 2021, 373, 111-117.	12.6	149
6	Canâ€™t touch this: Stromal-mediated ductal proliferation. <i>Cell Stem Cell</i> , 2021, 28, 1885-1887.	11.1	0
7	Liver stage malaria infection is controlled by host regulators of lipid peroxidation. <i>Cell Death and Differentiation</i> , 2020, 27, 44-54.	11.2	56
8	Thermofluidic heat exchangers for actuation of transcription in artificial tissues. <i>Science Advances</i> , 2020, 6, .	10.3	14
9	Infarct Collagen Topography Regulates Fibroblast Fate via p38-Yes-Associated Protein Transcriptional Enhanced Associate Domain Signals. <i>Circulation Research</i> , 2020, 127, 1306-1322.	4.5	40
10	Guided vascularization in the rat heart leads to transient vessel patterning. <i>APL Bioengineering</i> , 2020, 4, 016105.	6.2	7
11	Engineering Heart Morphogenesis. <i>Trends in Biotechnology</i> , 2020, 38, 835-845.	9.3	10
12	Generation of model tissues with dendritic vascular networks via sacrificial laser-sintered carbohydrate templates. <i>Nature Biomedical Engineering</i> , 2020, 4, 916-932.	22.5	90
13	A Rainbow Reporter Tracks Single Cells and Reveals Heterogeneous Cellular Dynamics among Pluripotent Stem Cells and Their Differentiated Derivatives. <i>Stem Cell Reports</i> , 2020, 15, 226-241.	4.8	16
14	An omentum-inspired 3D PEG hydrogel for identifying ECM-drivers of drug resistant ovarian cancer. <i>APL Bioengineering</i> , 2019, 3, 026106.	6.2	39
15	A FRESH Take on Resolution in 3D Bioprinting. <i>Trends in Biotechnology</i> , 2019, 37, 1153-1155.	9.3	27
16	User-defined morphogen patterning for directing human cell fate stratification. <i>Scientific Reports</i> , 2019, 9, 6433.	3.3	10
17	Spatial presentation of biological molecules to cells by localized diffusive transfer. <i>Lab on A Chip</i> , 2019, 19, 2114-2126.	6.0	1
18	Multivascular networks and functional intravascular topologies within biocompatible hydrogels. <i>Science</i> , 2019, 364, 458-464.	12.6	908

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19	Human Pluripotent Stem Cell-Derived Engineered Tissues: Clinical Considerations. <i>Cell Stem Cell</i> , 2018, 22, 294-297.	11.1	44
20	Comparative Study of Multicellular Tumor Spheroid Formation Methods and Implications for Drug Screening. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 410-420.	5.2	70
21	Human Organ-Specific Endothelial Cell Heterogeneity. <i>IScience</i> , 2018, 4, 20-35.	4.1	181
22	Towards a Humanized Mouse Model of Liver Stage Malaria Using Ectopic Artificial Livers. <i>Scientific Reports</i> , 2017, 7, 45424.	3.3	23
23	In situ expansion of engineered human liver tissue in a mouse model of chronic liver disease. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	133
24	Degradable hydrogels derived from PEG- $\epsilon$ -diacrylamide for hepatic tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 3331-3338.	4.0	62
25	Geometric control of vascular networks to enhance engineered tissue integration and function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7586-7591.	7.1	237
26	Rapid casting of patterned vascular networks for perfusable engineered three-dimensional tissues. <i>Nature Materials</i> , 2012, 11, 768-774.	27.5	1,661
27	Scaffold-Free Human Cardiac Tissue Patch Created from Embryonic Stem Cells. <i>Tissue Engineering - Part A</i> , 2009, 15, 1211-1222.	3.1	149
28	Chemical Dimerization of Fibroblast Growth Factor Receptor-1 Induces Myoblast Proliferation, Increases Intracardiac Graft Size, and Reduces Ventricular Dilatation in Infarcted Hearts. <i>Human Gene Therapy</i> , 2007, 18, 401-412.	2.7	18