

Aliaksei S Vasilevich

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,259
citations

567281

15
h-index

677142

22
g-index

29
all docs

29
docs citations

29
times ranked

2037
citing authors

#	ARTICLE	IF	CITATIONS
1	The Galapagos Chip Platform for High-Throughput Screening of Cell Adhesive Chemical Micropatterns. <i>Small</i> , 2022, 18, e2105704.	10.0	4
2	High-Throughput Methods in the Discovery and Study of Biomaterials and Materiobiology. <i>Chemical Reviews</i> , 2021, 121, 4561-4677.	47.7	89
3	Discovery of synergistic material-topography combinations to achieve immunomodulatory osteoinductive biomaterials using a novel in vitro screening method: The ChemoTopoChip. <i>Biomaterials</i> , 2021, 271, 120740.	11.4	20
4	Expanding Biomaterial Surface Topographical Design Space through Natural Surface Reproduction. <i>Advanced Materials</i> , 2021, 33, e2102084.	21.0	16
5	On the correlation between material-induced cell shape and phenotypical response of human mesenchymal stem cells. <i>Scientific Reports</i> , 2020, 10, 18988.	3.3	19
6	Mechanotransduction is a context-dependent activator of TGF- β 2 signaling in mesenchymal stem cells. <i>Biomaterials</i> , 2020, 259, 120331.	11.4	26
7	Immune Modulation by Design: Using Topography to Control Human Monocyte Attachment and Macrophage Differentiation. <i>Advanced Science</i> , 2020, 7, 1903392.	11.2	93
8	MiR-337-3p Promotes Adipocyte Browning by Inhibiting TWIST1. <i>Cells</i> , 2020, 9, 1056.	4.1	17
9	Evolutionary design of optimal surface topographies for biomaterials. <i>Scientific Reports</i> , 2020, 10, 22160.	3.3	4
10	Dynamic adaptation of mesenchymal stem cell physiology upon exposure to surface micropatterns. <i>Scientific Reports</i> , 2019, 9, 9099.	3.3	36
11	Identification of topographical architectures supporting the phenotype of rat tenocytes. <i>Acta Biomaterialia</i> , 2019, 83, 277-290.	8.3	43
12	Micro-scaled topographies direct differentiation of human epidermal stem cells. <i>Acta Biomaterialia</i> , 2019, 84, 133-145.	8.3	20
13	Robot-scientists will lead tomorrow's biomaterials discovery. <i>Current Opinion in Biomedical Engineering</i> , 2018, 6, 74-80.	3.4	19
14	Designed Surface Topographies Control ICAM-1 Expression in Tonsil-Derived Human Stromal Cells. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018, 6, 87.	4.1	10
15	Micro-Topographies Promote Late Chondrogenic Differentiation Markers in the ATDC5 Cell Line. <i>Tissue Engineering - Part A</i> , 2017, 23, 458-469.	3.1	14
16	Mining for osteogenic surface topographies: In silico design to in vivo osseo-integration. <i>Biomaterials</i> , 2017, 137, 49-60.	11.4	66
17	In-depth clinico-pathological examination of RNA foci in a large cohort of C9ORF72 expansion carriers. <i>Acta Neuropathologica</i> , 2017, 134, 255-269.	7.7	76
18	TopoWellPlate: A Well-Plate-Based Screening Platform to Study Cell-Surface Topography Interactions. <i>Advanced Biology</i> , 2017, 1, e1700002.	3.0	16

#	ARTICLE	IF	CITATIONS
19	NanoTopoChip: High-throughput nanotopographical cell instruction. <i>Acta Biomaterialia</i> , 2017, 62, 188-198.	8.3	36
20	Data-analysis strategies for image-based cell profiling. <i>Nature Methods</i> , 2017, 14, 849-863.	19.0	535
21	How Not To Drown in Data: A Guide for Biomaterial Engineers. <i>Trends in Biotechnology</i> , 2017, 35, 743-755.	9.3	30
22	Scalable topographies to support proliferation and Oct4 expression by human induced pluripotent stem cells. <i>Scientific Reports</i> , 2016, 6, 18948.	3.3	65