

Tadashi Nakaji-Hirabayashi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6014309/publications.pdf>

Version: 2024-02-01

36
papers

604
citations

567281

15
h-index

610901

24
g-index

36
all docs

36
docs citations

36
times ranked

835
citing authors

#	ARTICLE	IF	CITATIONS
1	Concentrated polymer brush-modified cellulose nanofibers promote chondrogenic differentiation of human mesenchymal stem cells by controlling self-assembly. <i>Journal of Materials Chemistry B</i> , 2022, , .	5.8	1
2	Enhanced proliferation and differentiation of human mesenchymal stem cells in the gravity-controlled environment. <i>Artificial Organs</i> , 2022, , .	1.9	4
3	Marine Antifouling Coatings Based on Durable Bottlebrush Polymers. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 32497-32509.	8.0	5
4	Ultra-low fouling photocrosslinked coatings for the selective capture of cells expressing CD44. <i>Materials Science and Engineering C</i> , 2021, 120, 111630.	7.3	3
5	Controlling the degradation of cellulose scaffolds with Malaprade oxidation for tissue engineering. <i>Journal of Materials Chemistry B</i> , 2020, 8, 7904-7913.	5.8	21
6	Novel anti-biofouling and drug releasing materials for contact lenses. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 189, 110859.	5.0	7
7	Well-defined monolith morphology regulates cell adhesion and its functions. <i>Materials Science and Engineering C</i> , 2019, 105, 110108.	7.3	1
8	Bioinactive semi-interpenetrating network gel layers: zwitterionic polymer chains incorporated in a cross-linked polymer brush. <i>Journal of Materials Chemistry B</i> , 2019, 7, 4280-4291.	5.8	7
9	Effect of dual-drug-releasing micelle-hydrogel composite on wound healing <i>in vivo</i> in full-thickness excision wound rat model. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 1094-1106.	4.0	19
10	Cytosolic delivery of quantum dots mediated by freezing and hydrophobic polyampholytes in RAW 264.7 cells. <i>Journal of Materials Chemistry B</i> , 2019, 7, 7387-7395.	5.8	4
11	Functional surfaces for efficient differentiation of neural stem/progenitor cells into dopaminergic neurons. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 860-871.	4.0	6
12	A novel approach for UV-patterning with binary polymer brushes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 161, 42-50.	5.0	11
13	Rapid and highly efficient capture and release of cancer cells using polymeric microfibers immobilized with enzyme-cleavable peptides. <i>Acta Biomaterialia</i> , 2018, 67, 32-41.	8.3	16
14	Titanium alloy modified with anti-biofouling zwitterionic polymer to facilitate formation of bio-mineral layer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 152, 302-310.	5.0	19
15	UV-Patterning of Anti-Biofouling Zwitterionic Copolymer Layer with an Aromatic Anchor Group. <i>Macromolecular Materials and Engineering</i> , 2017, 302, 1600374.	3.6	2
16	Freezing-Assisted Gene Delivery Combined with Polyampholyte Nanocarriers. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 1677-1689.	5.2	6
17	Gradation of proteins and cells attached to the surface of bio-inert zwitterionic polymer brush. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 144, 180-187.	5.0	17
18	Optimization of the composition of zwitterionic copolymers for the easy-construction of bio-inactive surfaces. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 2029-2036.	4.0	9

#	ARTICLE	IF	CITATIONS
19	Complex film of chitosan and carboxymethyl cellulose nanofibers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 139, 95-99.	5.0	23
20	Optimization of surface-immobilized extracellular matrices for the proliferation of neural progenitor cells derived from induced pluripotent stem cells. <i>Biotechnology and Bioengineering</i> , 2015, 112, 2388-2396.	3.3	11
21	Water structure at the interfaces between a zwitterionic self-assembled monolayer/liquid water evaluated by sum-frequency generation spectroscopy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 135, 267-273.	5.0	19
22	Temperature-responsive copolymer brush constructed on a silica microparticle by atom transfer radical polymerization. <i>Colloid and Polymer Science</i> , 2015, 293, 851-859.	2.1	9
23	Patterning of photocleavable zwitterionic polymer brush fabricated on silicon wafer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 878-886.	5.0	14
24	Sum-frequency generation analyses of the structure of water at amphoteric SAM-liquid water interfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 121, 264-269.	5.0	12
25	Improvement of Neural Stem Cell Survival in Collagen Hydrogels by Incorporating Laminin-Derived Cell Adhesive Polypeptides. <i>Bioconjugate Chemistry</i> , 2012, 23, 212-221.	3.6	38
26	Carboxymethylbetaine copolymer layer covalently fixed to a glass substrate. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 94, 107-113.	5.0	17
27	Design of culture substrates for large-scale expansion of neural stem cells. <i>Biomaterials</i> , 2011, 32, 992-1001.	11.4	24
28	Hyaluronic acid hydrogel loaded with genetically-engineered brain-derived neurotrophic factor as a neural cell carrier. <i>Biomaterials</i> , 2009, 30, 4581-4589.	11.4	60
29	Surface-Anchoring of Spontaneously Dimerized Epidermal Growth Factor for Highly Selective Expansion of Neural Stem Cells. <i>Bioconjugate Chemistry</i> , 2009, 20, 102-110.	3.6	32
30	Essential role of structural integrity and firm attachment of surface-anchored epidermal growth factor in adherent culture of neural stem cells. <i>Biomaterials</i> , 2008, 29, 4403-4408.	11.4	25
31	Self-Assembling Chimeric Protein for the Construction of Biodegradable Hydrogels Capable of Interaction with Integrins Expressed on Neural Stem/Progenitor Cells. <i>Biomacromolecules</i> , 2008, 9, 1411-1416.	5.4	29
32	Multifunctional Chimeric Proteins for the Sequential Regulation of Neural Stem Cell Differentiation. <i>Bioconjugate Chemistry</i> , 2008, 19, 516-524.	3.6	10
33	Oriented immobilization of epidermal growth factor onto culture substrates for the selective expansion of neural stem cells. <i>Biomaterials</i> , 2007, 28, 3517-3529.	11.4	94
34	Inclusion of Bisphenols by a Self-Assembled Monolayer of Thiolated Calix[6]arene on a Gold Surface. <i>Environmental Science & Technology</i> , 2005, 39, 5414-5420.	10.0	15
35	Wrapping of Single-Walled Carbon Nanotubes with A-B-A Block Telomers. <i>Macromolecular Chemistry and Physics</i> , 2004, 205, 2064-2071.	2.2	14
36	Fabrication of substrates for multiple cell patterning using a copolymer with a UV-degradable oligoethylene glycol side chain. <i>Materials Advances</i> , 0, , .	5.4	0