

Daewha Hong

List of Publications by Year in descending order

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papers

1,457
citations

361413

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395702

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times ranked

1889
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of Universal and Clickable Film by Mimicking Melanogenesis: On-Demand Oxidation of Tyrosine-Based Azido Derivative by Tyrosinase. <i>Macromolecular Rapid Communications</i> , 2022, , 2200089.	3.9	2
2	Development of a versatile, uniform, and stable initiator layer by the functionalization of a polydopamine/polyethyleneimine film. <i>Bulletin of the Korean Chemical Society</i> , 2022, 43, 788-791.	1.9	5
3	Effect of N-Methylation on Dopamine Surface Chemistry. <i>Langmuir</i> , 2022, 38, 6404-6410.	3.5	5
4	Zr(IV) Coordination Chemistry for Cell-Repellent Alginate Coatings: The Effect of Surface Functional Groups. <i>Langmuir</i> , 2020, 36, 5192-5197.	3.5	14
5	Site-Selective Functionalization of Polydopamine Films via Aryl Azide-Based Photochemical Reaction. <i>Macromolecular Research</i> , 2020, 28, 885-887.	2.4	0
6	Development of Stimulus-Responsive Degradable Film via Codeposition of Dopamine and Cystamine. <i>Chemistry - an Asian Journal</i> , 2020, 15, 2622-2626.	3.3	3
7	Surface-Initiated ARGET ATRP of Antifouling Zwitterionic Brushes Using Versatile and Uniform Initiator Film. <i>Langmuir</i> , 2019, 35, 13268-13274.	3.5	24
8	Antifouling Surface Coating Using Droplet-Based SI-ARGET ATRP of Carboxybetaine under Open-Air Conditions. <i>Langmuir</i> , 2019, 35, 7744-7750.	3.5	35
9	Developing Low Fouling on PET Film via Surface-Initiated ARGET ATRP of Carboxybetaine under Air Condition. <i>Bulletin of the Korean Chemical Society</i> , 2019, 40, 7-8.	1.9	3
10	Ultralow Fouling and Functionalizable Surface Chemistry Based on Zwitterionic Carboxybetaine Random Copolymers. <i>Langmuir</i> , 2019, 35, 1544-1551.	3.5	60
11	Accelerated Development of Hippocampal Neurons and Limited Adhesion of Astrocytes on Negatively Charged Surfaces. <i>Langmuir</i> , 2018, 34, 1767-1774.	3.5	10
12	Cationic Polymers for Coating Living Cells. <i>Macromolecular Research</i> , 2018, 26, 1185-1192.	2.4	9
13	Achieving Ultralow Fouling under Ambient Conditions via Surface-Initiated ARGET ATRP of Carboxybetaine. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 9255-9259.	8.0	79
14	Cytoprotective Encapsulation of Individual Jurkat T Cells within Durable TiO ₂ Shells for T-Cell Therapy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10702-10706.	13.8	74
15	Cytoprotective Encapsulation of Individual Jurkat T Cells within Durable TiO ₂ Shells for T-Cell Therapy. <i>Angewandte Chemie</i> , 2017, 129, 10842-10846.	2.0	14
16	Titelbild: Cytoprotective Encapsulation of Individual Jurkat T Cells within Durable TiO ₂ Shells for T-Cell Therapy (Angew. Chem. 36/2017). <i>Angewandte Chemie</i> , 2017, 129, 10745-10745.	2.0	0
17	Artificial Spores: Immunoprotective Nanocoating of Red Blood Cells with Supramolecular Ferric Ion-Tannic Acid Complex. <i>Polymers</i> , 2017, 9, 140.	4.5	48
18	Turning Diamagnetic Microbes into Multinary Micro-Magnets: Magnetophoresis and Spatio-Temporal Manipulation of Individual Living Cells. <i>Scientific Reports</i> , 2016, 6, 38517.	3.3	25

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19	Cell-in-Shell Hybrids: Chemical Nanoencapsulation of Individual Cells. <i>Accounts of Chemical Research</i> , 2016, 49, 792-800.	15.6	143
20	A degradable polydopamine coating based on disulfide-exchange reaction. <i>Nanoscale</i> , 2015, 7, 20149-20154.	5.6	31
21	Organic/inorganic double-layered shells for multiple cytoprotection of individual living cells. <i>Chemical Science</i> , 2015, 6, 203-208.	7.4	64
22	A Cytoprotective and Degradable Metalâ€“Polyphenol Nanoshell for Singleâ€“Cell Encapsulation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12420-12425.	13.8	164
23	Cytoprotective Alginate/Polydopamine Core/Shell Microcapsules in Microbial Encapsulation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 14443-14446.	13.8	88
24	Nanocoating of Single Cells: From Maintenance of Cell Viability to Manipulation of Cellular Activities. <i>Advanced Materials</i> , 2014, 26, 2001-2010.	21.0	133
25	Generation of Cellular Micropatterns on a Singleâ€“Layered Graphene Film. <i>Macromolecular Bioscience</i> , 2014, 14, 314-319.	4.1	17
26	Mussel-inspired, perfluorinated polydopamine for self-cleaning coating on various substrates. <i>Chemical Communications</i> , 2014, 50, 11649-11652.	4.1	100
27	Frontispiece: A Cytoprotective and Degradable Metalâ€“Polyphenol Nanoshell for Singleâ€“Cell Encapsulation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, .	13.8	73
28	Artificial spores: cytoprotective nanoencapsulation of living cells. <i>Trends in Biotechnology</i> , 2013, 31, 442-447.	9.3	71
29	Electrochemical Release of Amine Molecules from Carbamate-Based, Electroactive Self-Assembled Monolayers. <i>Langmuir</i> , 2012, 28, 17-21.	3.5	10
30	Aryl Azide Based, Photochemical Patterning of Cyclic Olefin Copolymer Surfaces with Nonâ€“Biofouling Poly[(3â€“(methacryloylamino)propyl)dimethyl(3â€“sulfo)propyl)ammonium hydroxide]. <i>Chemistry - an Asian Journal</i> , 2011, 6, 363-366.	3.3	11
31	Water-Collecting Capability of Radial-Wettability Gradient Surfaces Generated by Controlled Surface Reactions. <i>Langmuir</i> , 2010, 26, 15080-15083.	3.5	27