

Tijana Z Grove

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

699
citations

687363

13
h-index

552781

26
g-index

28
all docs

28
docs citations

28
times ranked

1195
citing authors

#	ARTICLE	IF	CITATIONS
1	Ligand binding by repeat proteins: natural and designed. <i>Current Opinion in Structural Biology</i> , 2008, 18, 507-515.	5.7	119
2	Stimuli-Responsive Smart Gels Realized via Modular Protein Design. <i>Journal of the American Chemical Society</i> , 2010, 132, 14024-14026.	13.7	105
3	Photo-triggered release of 5-fluorouracil from a MOF drug delivery vehicle. <i>Chemical Communications</i> , 2018, 54, 7617-7620.	4.1	92
4	Cargo delivery on demand from photodegradable MOF nano-cages. <i>Dalton Transactions</i> , 2017, 46, 4917-4922.	3.3	41
5	A modular approach to the design of protein-based smart gels. <i>Biopolymers</i> , 2012, 97, 508-517.	2.4	40
6	Nanostructured functional films from engineered repeat proteins. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20130051.	3.4	40
7	Protein Self-Assemblies That Can Generate, Hold, and Discharge Electric Potential in Response to Changes in Relative Humidity. <i>Journal of the American Chemical Society</i> , 2018, 140, 7144-7151.	13.7	36
8	New materials from proteins and peptides. <i>Current Opinion in Structural Biology</i> , 2012, 22, 451-456.	5.7	33
9	Protein-aided formation of triangular silver nanoprisms with enhanced SERS performance. <i>Journal of Materials Chemistry B</i> , 2016, 4, 4182-4190.	5.8	29
10	Creating novel proteins by combining design and selection. <i>Protein Engineering, Design and Selection</i> , 2010, 23, 449-455.	2.1	24
11	Repeat protein mediated synthesis of gold nanoparticles: effect of protein shape on the morphological and optical properties. <i>RSC Advances</i> , 2015, 5, 2062-2069.	3.6	23
12	Enhanced Fluorescence Properties of Stilbene-Containing Alternating Copolymers. <i>Macromolecular Rapid Communications</i> , 2018, 39, 1700530.	3.9	19
13	Consensus design of a NOD receptor leucine rich repeat domain with binding affinity for a muramyl dipeptide, a bacterial cell wall fragment. <i>Protein Science</i> , 2014, 23, 790-800.	7.6	18
14	<scp>H</scp> and heteropolymer self-assembly of recombinant trichocytic keratins. <i>Biopolymers</i> , 2017, 107, e23037.	2.4	12
15	Surface grafting of chitosan shell, polycaprolactone core fiber meshes to confer bioactivity. <i>Journal of Bioactive and Compatible Polymers</i> , 2015, 30, 258-274.	2.1	11
16	Bioinorganic Interface: Mechanistic Studies of Protein-Directed Nanomaterial Synthesis. <i>Journal of Physical Chemistry C</i> , 2016, 120, 10951-10960.	3.1	11
17	Seed-mediated biomineralization toward the high yield production of gold nanoprisms. <i>Chemical Communications</i> , 2016, 52, 9829-9832.	4.1	8
18	Gold nanospheres and gold nanostars immobilized onto thiolated eggshell membranes as highly robust and recyclable catalysts. <i>New Journal of Chemistry</i> , 2017, 41, 9406-9413.	2.8	8

#	ARTICLE	IF	CITATIONS
19	Functional protein materials: beyond elastomeric and structural proteins. <i>Polymer Chemistry</i> , 2019, 10, 2952-2959.	3.9	8
20	Designing repeat proteins for biosensors and medical imaging. <i>Biochemical Society Transactions</i> , 2015, 43, 856-860.	3.4	6
21	Synthesis of Triangular Silver and Gold Nanoprisms Using Consensus Sequence Tetratricopeptide Repeat Proteins. <i>Methods in Molecular Biology</i> , 2018, 1798, 141-153.	0.9	3
22	Designed leucine-rich repeat proteins bind two muramyl dipeptide ligands. <i>Protein Science</i> , 2021, 30, 804-817.	7.6	3
23	Design of Self-Assembling Protein-Polymer Conjugates. <i>Advances in Experimental Medicine and Biology</i> , 2016, 940, 179-214.	1.6	2
24	Protein Design for Nanostructural Engineering: General Aspects. <i>Advances in Experimental Medicine and Biology</i> , 2016, 940, 1-5.	1.6	2
25	Protein Design for Nanostructural Engineering: Concluding Remarks and Future Directions. <i>Advances in Experimental Medicine and Biology</i> , 2016, 940, 281-284.	1.6	2
26	A comparative study of materials assembled from recombinant K31 and K81 and extracted human hair keratins. <i>Biomedical Materials (Bristol)</i> , 2020, 15, 065006.	3.3	2
27	Editorial overview: From powerful tools to useful products: protein engineering after 35 years of directed evolution. <i>Current Opinion in Structural Biology</i> , 2020, 63, vi-viii.	5.7	1
28	Engineering repeat proteins of the immune system. <i>Biopolymers</i> , 2020, 111, e23348.	2.4	1