Eugene Pashuck Iii

List of Publications by Year
in descending order

28 papers	2,465 citations	361413 20 h-index	526287 27 g-index
28 all docs	28 docs citations	28 times ranked	3956 citing authors

#	Article	IF	Citations
1	Tuning Supramolecular Rigidity of Peptide Fibers through Molecular Structure. Journal of the American Chemical Society, 2010, 132, 6041-6046.	13.7	367
2	Direct Observation of Morphological Tranformation from Twisted Ribbons into Helical Ribbons. Journal of the American Chemical Society, 2010, 132, 8819-8821.	13.7	285
3	Amino Acid Sequence in Constitutionally Isomeric Tetrapeptide Amphiphiles Dictates Architecture of One-Dimensional Nanostructures. Journal of the American Chemical Society, 2014, 136, 12461-12468.	13.7	249
4	Designing Regenerative Biomaterial Therapies for the Clinic. Science Translational Medicine, 2012, 4, 160sr4.	12.4	212
5	Achieving Controlled Biomoleculeâ€“Biomaterial Conjugation. Chemical Reviews, 2018, 118, 7702-7743.	47.7	165
6	Spontaneous and X-rayâ€“Triggered Crystallization at Long Range in Self-Assembling Filament Networks. Science, 2010, 327, 555-559.	12.6	159
7	Self-Healing, Self-Assembled Î²-Sheet Peptideâ€“Poly(Î³-glutamic acid) Hybrid Hydrogels. Journal of the American Chemical Society, 2017, 139, 7250-7255.	13.7	143
8	Selfâ€assembling peptide amphiphile promotes plasticity of serotonergic fibers following spinal cord injury. Journal of Neuroscience Research, 2010, 88, 3161-3170.	2.9	141
9	Self-Assembled 2D Free-Standing Janus Nanosheets with Single-Layer Thickness. Journal of the American Chemical Society, 2017, 139, 13592-13595.	13.7	93
10	(Macro)molecular self-assembly for hydrogel drug delivery. Advanced Drug Delivery Reviews, 2021, 172, 275-295.	13.7	92
11	A hybrid nanofiber matrix to control the survival and maturation of brain neurons. Biomaterials, 2012, 33, 545-555.	11.4	86
12	Modification of gelation kinetics in bioactive peptide amphiphiles. Biomaterials, 2008, 29, 4501-4509.	11.4	84
13	Electrospinning Bioactive Supramolecular Polymers from Water. Biomacromolecules, 2014, 15, 1323-1327.	5.4	54
14	Sequence-Dependent Self-Assembly and Structural Diversity of Islet Amyloid Polypeptide-Derived Î²-Sheet Fibrils. ACS Nano, 2017, 11, 8579-8589.	14.6	48
15	Functionalized Poly(Î³â€Glutamic Acid) Fibrous Scaffolds for Tissue Engineering. Advanced Healthcare Materials, 2012, 1, 308-315.	7.6	46
16	Residue-Specific Solvation-Directed Thermodynamic and Kinetic Control over Peptide Self-Assembly with 1D/2D Structure Selection. ACS Nano, 2019, 13, 1900-1909.	14.6	40
17	Controlled Sub-Nanometer Epitope Spacing in a Three-Dimensional Self-Assembled Peptide Hydrogel. ACS Nano, 2016, 10, 11096-11104.	14.6	36
18	Electrostatic Control of Structure in Selfâ€Assembled Membranes. Small, 2014, 10, 500-505.	10.0	32

#	Article	IF	Citations
19	Plasmonic Chirality Imprinting on Nucleobaseâ€Displaying Supramolecular Nanohelices by Metalâ€“Nucleobase Recognition. Angewandte Chemie - International Edition, 2017, 56, 2361-2365.	13.8	32
20	Synergistic regulation of cerebellar Purkinje neuron development by laminin epitopes and collagen on an artificial hybrid matrix construct. Biomaterials Science, 2014, 2, 903-914.	5.4	25
21	From clinical imaging to implantation of 3D printed tissues. Nature Biotechnology, 2016, 34, 295-296.	17.5	20
22	A designer peptide as a template for growing Au nanoclusters. Chemical Communications, 2014, 50, 10648-10650.	4.1	15
23	High-Throughput Peptide Derivatization toward Supramolecular Diversification in Microtiter Plates. ACS Nano, 2021, 15, 4034-4044.	14.6	11
24	Plasmonic Chirality Imprinting on Nucleobaseâ€Displaying Supramolecular Nanohelices by Metalâ€“Nucleobase Recognition. Angewandte Chemie, 2017, 129, 2401-2405.	2.0	10
25	Self-assembly of bioinspired and biologically functional materials. MRS Bulletin, 2020, 45, 832-840.	3.5	7
26	Formation of bubbles on electrical contacts to polymer light-emitting diode devices. Thin Solid Films, 2005, 478, 326-331.	1.8	6
27	Synthesis of Self-Assembling Peptide-Based Hydrogels for Regenerative Medicine Using Solid-Phase Peptide Synthesis. Methods in Molecular Biology, 2018, 1758, 177-192.	0.9	6
28	Designing self-assembling biomaterials with controlled mechanical and biological performance. , 2018, , 7-26.		1