Ketav Prakash Kulkarni

List of Publications by Year
in descending order

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36	736	430874	552781
papers	citations	18	26
		h-index	g-index

37	37	37	942
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A self-assembling Î²-peptide hydrogel for neural tissue engineering. Soft Matter, 2016, 12, 2243-2246.	2.7	74
2	Exploring Molecular-Biomembrane Interactions with Surface Plasmon Resonance and Dual Polarization Interferometry Technology: Expanding the Spotlight onto Biomembrane Structure. Chemical Reviews, 2018, 118, 5392-5487.	47.7	61
3	Surface acoustic waves as an energy source for drop scale synthetic chemistry. Lab on A Chip, 2009, 9, 754.	6.0	46
4	Light-triggered release of ciprofloxacin from an in situ forming click hydrogel for antibacterial wound dressings. Journal of Materials Chemistry B, 2015, 3, 8771-8774.	5.8	46
5	Novel Materials From the Supramolecular Self-Assembly of Short Helical Î²3-Peptide Foldamers. Frontiers in Chemistry, 2019, 7, 70.	3.6	34
6	Migration and Differentiation of Neural Stem Cells Diverted From the Subventricular Zone by an Injectable Self-Assembling Î²-Peptide Hydrogel. Frontiers in Bioengineering and Biotechnology, 2019, 7, 315.	4.1	31
7	Orthogonal strategy for the synthesis of dual-functionalised Î²³-peptide based hydrogels. Chemical Communications, 2016, 52, 5844-5847.	4.1	29
8	Decorated self-assembling Î²³-tripeptide foldamers form cell adhesive scaffolds. Chemical Communications, 2016, 52, 4549-4552.	4.1	29
9	Supramolecular self-assembly of 14-helical nanorods with tunable linear and dendritic hierarchical morphologies. New Journal of Chemistry, 2015, 39, 3280-3287.	2.8	26
10	A Chemoenzymatic Approach to the Synthesis of Glycopeptide Antibiotic Analogues. Angewandte Chemie - International Edition, 2020, 59, 10899-10903.	13.8	25
11	Rapid microscale in-gel processing and digestion of proteins using surface acoustic waves. Lab on A Chip, 2010, 10, 1518.	6.0	24
12	Discovery, Development, and Cellular Delivery of Potent and Selective Bicyclic Peptide Inhibitors of Grb7 Cancer Target. Journal of Medicinal Chemistry, 2017, 60, 9349-9359.	6.4	24
13	An Active Site Inhibitor Induces Conformational Penalties for ACE2 Recognition by the Spike Protein of SARS-CoV-2. Journal of Physical Chemistry B, 2021, 125, 2533-2550.	2.6	24
14	Amino acid sequence controls the self-assembled superstructure morphology of N-acetylated tri-Î²³-peptides. Pure and Applied Chemistry, 2015, 87, 1021-1028.	1.9	23
15	Shortened Penetratin Cell-Penetrating Peptide Is Insufficient for Cytosolic Delivery of a Grb7 Targeting Peptide. ACS Omega, 2017, 2, 670-677.	3.5	21
16	Unexpected involvement of staple leads to redesign of selective bicyclic peptide inhibitor of Grb7. Scientific Reports, 2016, 6, 27060.	3.3	20
17	Î²3-tripeptides act as sticky ends to self-assemble into a bioscaffold. APL Bioengineering, 2018, 2, 026104.	6.2	20
18	Cyclic Peptides Incorporating Phosphotyrosine Mimetics as Potent and Specific Inhibitors of the Grb7 Breast Cancer Target. Journal of Medicinal Chemistry, 2015, 58, 7707-7718.	6.4	19

#	Article	IF	Citations
19	Î²³-Tripeptides Coassemble into Fluorescent Hydrogels for Serial Monitoring in Vivo. ACS Biomaterials Science and Engineering, 2018, 4, 3843-3847.	5.2	18
20	Using Î²-Amino Acids and Î²-Peptide Templates to Create Bioactive Ligands and Biomaterials. Current Pharmaceutical Design, 2017, 23, 3772-3785.	1.9	18
21	An emerging reactor technology for chemical synthesis: Surface acoustic wave-assisted closed-vessel Suzuki coupling reactions. Ultrasonics Sonochemistry, 2014, 21, 1305-1309.	8.2	13
22	Precursor Manipulation in Glycopeptide Antibiotic Biosynthesis: Are Î²-Amino Acids Compatible with the Oxidative Cyclization Cascade?. Journal of Organic Chemistry, 2018, 83, 7206-7214.	3.2	13
23	Transition of Nano-Architectures Through Self-Assembly of Lipidated Î²3-Tripeptide Foldamers. Frontiers in Chemistry, 2020, 8, 217.	3.6	13
24	Functional Nanoparticles and their Interactions with Mesenchymal Stem Cells. Current Pharmaceutical Design, 2017, 23, 3814-3832.	1.9	13
25	Esterase-Mediated Sustained Release of Peptide-Based Therapeutics from a Self-Assembled Injectable Hydrogel. ACS Applied Materials & Interfaces, 2021, 13, 58279-58290.	8.0	11
26	The impact of cell-penetrating peptides on membrane bilayer structure during binding and insertion. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 1841-1849.	2.6	10
27	Self-assembly of trifunctional tripeptides to form neural scaffolds. Journal of Materials Chemistry B, 2021, 9, 4475-4479.	5.8	10
28	Evaluation of Cyclic Peptide Inhibitors of the Grb7 Breast Cancer Target: Small Change in Cargo Results in Large Change in Cellular Activity. Molecules, 2019, 24, 3739.	3.8	7
29	Biomaterial Strategies for Restorative Therapies in Parkinsonâ€™s Disease. ACS Chemical Neuroscience, 2021, 12, 4224-4235.	3.5	7
30	Unique Functional Materials Derived from Î²-Amino Acid Oligomers. Australian Journal of Chemistry, 2017, 70, 126.	0.9	6
31	Staphylococcus aureus entanglement in self-assembling Î²-peptide nanofibres decorated with vancomycin. Nanoscale Advances, 2021, 3, 2607-2616.	4.6	6
32	Preparation and cellular uptake of bicyclicâ€peptide cargo clicked to cell penetrating peptides. Peptide Science, 2018, 110, e24037.	1.8	4
33	A Chemoenzymatic Approach to the Synthesis of Glycopeptide Antibiotic Analogues. Angewandte Chemie, 2020, 132, 10991-10995.	2.0	4
34	A two-dimensional metallosupramolecular framework design based on coordination crosslinking of helical oligoamide nanorods. Materials Advances, 2020, 1, 1134-1141.	5.4	3
35	The Enantioselective Total Synthesis and Unambiguous Proof of the Absolute Stereochemistry of Pervilleine C. Synlett, 2008, 2008, 2209-2212.	1.8	2
36	Comparison between clickable cyclic TAT and penetratin for delivery of cyclic and bicyclicâ€peptide cargos. Peptide Science, 2020, 112, e24163.	1.8	1