Charalampos G Pappas

List of Publications by Year
in descending order

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25 papers	1,956 citations	394421 19 h-index	610901 24 g-index
27 all docs	27 docs citations	27 times ranked	2810 citing authors

#	Article	IF	Citations
1	Exploring the sequence space for (tri-)peptide self-assembly to design and discover new hydrogels. Nature Chemistry, 2015, 7, 30-37.	13.6	597
2	Dynamic peptide libraries for the discovery of supramolecular nanomaterials. Nature Nanotechnology, 2016, 11, 960-967.	31.5	181
3	Biocatalytic Pathway Selection in Transient Tripeptide Nanostructures. Angewandte Chemie - International Edition, 2015, 54, 8119-8123.	13.8	171
4	Switchable Hydrolase Based on Reversible Formation of Supramolecular Catalytic Site Using a Selfâ€Assembling Peptide. Angewandte Chemie - International Edition, 2017, 56, 14511-14515.	13.8	131
5	Stable Emulsions Formed by Self-Assembly of Interfacial Networks of Dipeptide Derivatives. ACS Nano, 2014, 8, 7005-7013.	14.6	127
6	Differential Self-Assembly and Tunable Emission of Aromatic Peptide Bola-Amphiphiles Containing Perylene Bisimide in Polar Solvents Including Water. Langmuir, 2014, 30, 7576-7584.	3.5	86
7	Biocatalytic Selfâ€Assembly Cascades. Angewandte Chemie - International Edition, 2017, 56, 6828-6832.	13.8	65
8	Complex Molecules That Fold Like Proteins Can Emerge Spontaneously. Journal of the American Chemical Society, 2019, 141, 1685-1689.	13.7	62
9	Alignment of nanostructured tripeptide gels by directional ultrasonication. Chemical Communications, 2015, 51, 8465-8468.	4.1	60
10	On the Hydration State of Amino Acids and Their Derivatives at Different Ionization States: A Comparative Multinuclear NMR and Crystallographic Investigation. Journal of Amino Acids, 2012, 2012, 1-11.	5.8	58
11	Biocatalytic Pathway Selection in Transient Tripeptide Nanostructures. Angewandte Chemie, 2015, 127, 8237-8241.	2.0	56
12	Transient supramolecular reconfiguration of peptide nanostructures using ultrasound. Materials Horizons, 2015, 2, 198-202.	12.2	53
13	Emergence of low-symmetry foldamers from single monomers. Nature Chemistry, 2020, 12, 1180-1186.	13.6	47
14	GnRH-Gemcitabine Conjugates for the Treatment of Androgen-Independent Prostate Cancer: Pharmacokinetic Enhancements Combined with Targeted Drug Delivery. Bioconjugate Chemistry, 2014, 25, 813-823.	3.6	43
15	Antiparallel Dynamic Covalent Chemistries. Journal of the American Chemical Society, 2017, 139, 6744-6751.	13.7	40
16	Spontaneous Emergence of Self-Replicating Molecules Containing Nucleobases and Amino Acids. Journal of the American Chemical Society, 2020, 142, 4184-4192.	13.7	38
17	Tuneable Fmocâ€“Pheâ€“(4-X)â€“Pheâ€“NH2 nanostructures by variable electronic substitution. Chemical Communications, 2014, 50, 10630-10633.	4.1	31
18	Electronic Sculpting of Ligand-GPCR Subtype Selectivity: The Case of Angiotensin II. ACS Chemical Biology, 2014, 9, 1420-1425.	3.4	31

#	Article	IF	Citations
19	Biocatalytic Selfâ€Assembly Cascades. Angewandte Chemie, 2017, 129, 6932-6936.	2.0	26
20	Outâ€ofâ€Equilibrium Selfâ€Replication Allows Selection for Dynamic Kinetic Stability in a System of Competing Replicators. Angewandte Chemie - International Edition, 2022, 61, .	13.8	20
21	Two Sides of the Same Coin: Emergence of Foldamers and Self-Replicators from Dynamic Combinatorial Libraries. Journal of the American Chemical Society, 2021, 143, 7388-7393.	13.7	15
22	Spontaneous Aminolytic Cyclization and Selfâ€Assembly of Dipeptide Methyl Esters in Water. ChemSystemsChem, 2020, 2, e2000013.	2.6	9
23	Co-treatment with a C1B5 peptide of protein kinase CÎ³ and a low dose of gemcitabine strongly attenuated pancreatic cancer growth in mice through T cell activation. Biochemical and Biophysical Research Communications, 2018, 495, 962-968.	2.1	5
24	Outâ€ofâ€Equilibrium Selfâ€Replication Allows Selection for Dynamic Kinetic Stability in a System of Competing Replicators. Angewandte Chemie, 2022, 134, .	2.0	4
25	A sound approach to self-assembly. Nature Chemistry, 2020, 12, 784-785.	13.6	0