Yi Kuang

List of Publications by Year in descending order

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43 papers	4,911 citations	101384 36 h-index	214527 47 g-index
50 all docs	50 docs citations	50 times ranked	4944 citing authors

#	Article	IF	Citations
1	Aptamerâ€Arrayâ€Guided Protein Assembly Enhances Synthetic mRNA Switch Performance. Angewandte Chemie - International Edition, 2022, 61, .	7.2	5
2	N 1-Methylpseudouridine substitution enhances the performance of synthetic mRNA switches in cells. Nucleic Acids Research, 2020, 48, e35-e35.	6.5	70
3	Synthetic RNA-based logic computation in mammalian cells. Nature Communications, 2018, 9, 4847.	5.8	87
4	In situ generated Dâ€peptidic nanofibrils as multifaceted apoptotic inducers to target cancer cells. Cell Death and Disease, 2017, 8, e2614-e2614.	2.7	40
5	Efficient, Selective Removal of Human Pluripotent Stem Cells via Ecto-Alkaline Phosphatase-Mediated Aggregation of Synthetic Peptides. Cell Chemical Biology, 2017, 24, 685-694.e4.	2.5	57
6	MicroRNA-302 switch to identify and eliminate undifferentiated human pluripotent stem cells. Scientific Reports, 2016, 6, 32532.	1.6	82
7	Nanonets Collect Cancer Secretome from Pericellular Space. PLoS ONE, 2016, 11, e0154126.	1.1	11
8	Enzymeâ€Instructed Intracellular Molecular Selfâ€Assembly to Boost Activity of Cisplatin against Drugâ€Resistant Ovarian Cancer Cells. Angewandte Chemie - International Edition, 2015, 54, 13307-13311.	7.2	158
9	Supramolecular Nanofibrils Inhibit Cancer Progression In Vitro and In Vivo. Advanced Healthcare Materials, 2014, 3, 1217-1221.	3.9	39
10	Pericellular Hydrogel/Nanonets Inhibit Cancer Cells. Angewandte Chemie - International Edition, 2014, 53, 8104-8107.	7.2	280
11	Prion-like Nanofibrils of Small Molecules (PriSM) Selectively Inhibit Cancer Cells by Impeding Cytoskeleton Dynamics. Journal of Biological Chemistry, 2014, 289, 29208-29218.	1.6	46
12	The first supramolecular peptidic hydrogelator containing taurine. Chemical Communications, 2014, 50, 2772-2774.	2.2	32
13	Biocompatibility of Hydrogelators Based on Small Peptide Derivatives. RSC Soft Matter, 2014, , 31-47.	0.2	0
14	Imaging Self-Assembly Dependent Spatial Distribution of Small Molecules in a Cellular Environment. Langmuir, 2013, 29, 15191-15200.	1.6	41
15	A Redox Responsive, Fluorescent Supramolecular Metallohydrogel Consists of Nanofibers with Single-Molecule Width. Journal of the American Chemical Society, 2013, 135, 5008-5011.	6.6	151
16	<scp>d</scp>-Amino Acids Boost the Selectivity and Confer Supramolecular Hydrogels of a Nonsteroidal Anti-Inflammatory Drug (NSAID). Journal of the American Chemical Society, 2013, 135, 542-545.	6.6	264
17	Selfâ€Delivery Multifunctional Antiâ€HIV Hydrogels for Sustained Release. Advanced Healthcare Materials, 2013, 2, 1586-1590.	3.9	60
18	Interactions between cellular proteins and morphologically different nanoscale aggregates of small molecules. RSC Advances, 2013, 3, 7704.	1.7	30

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19	Dephosphorylation of <scp>d</scp>-Peptide Derivatives to Form Biofunctional, Supramolecular Nanofibers/Hydrogels and Their Potential Applications for Intracellular Imaging and Intratumoral Chemotherapy. Journal of the American Chemical Society, 2013, 135, 9907-9914.	6.6	226
20	Disruption of the Dynamics of Microtubules and Selective Inhibition of Glioblastoma Cells by Nanofibers of Small Hydrophobic Molecules. Angewandte Chemie - International Edition, 2013, 52, 6944-6948.	7.2	123
21	Probing Nanoscale Self-Assembly of Nonfluorescent Small Molecules inside Live Mammalian Cells. ACS Nano, 2013, 7, 9055-9063.	7.3	69
22	Active Crossâ€Linkers that Lead to Active Gels. Angewandte Chemie - International Edition, 2013, 52, 11494-11498.	7.2	36
23	The conjugation of nonsteroidal anti-inflammatory drugs (NSAID) to small peptides for generating multifunctional supramolecular nanofibers/hydrogels. Beilstein Journal of Organic Chemistry, 2013, 9, 908-917.	1.3	63
24	Supramolecular hydrogels formed by the conjugates of nucleobases, Arg-Gly-Asp (RGD) peptides, and glucosamine. Soft Matter, 2012, 8, 7402.	1.2	42
25	â€œMolecular trinityâ€•for soft nanomaterials: integrating nucleobases, amino acids, and glycosides to construct multifunctional hydrogelators. Soft Matter, 2012, 8, 2801.	1.2	42
26	Catalytic dephosphorylation of adenosine monophosphate (AMP) to form supramolecular nanofibers/hydrogels. Chemical Communications, 2012, 48, 2098.	2.2	34
27	Supramolecular hydrogel of kanamycin selectively sequesters 16S rRNA. Chemical Communications, 2012, 48, 9257.	2.2	18
28	Post-Self-Assembly Cross-Linking of Molecular Nanofibers for Oscillatory Hydrogels. Langmuir, 2012, 28, 3063-3066.	1.6	41
29	Supramolecular hydrogels based on the epitope of potassium ion channels. Chemical Communications, 2011, 47, 8772.	2.2	31
30	Supramolecular hydrogelators of N-terminated dipeptides selectively inhibit cancer cells. Chemical Communications, 2011, 47, 12625.	2.2	39
31	Versatile Small-Molecule Motifs for Self-Assembly in Water and the Formation of Biofunctional Supramolecular Hydrogels. Langmuir, 2011, 27, 529-537.	1.6	203
32	Multifunctional, Biocompatible Supramolecular Hydrogelators Consist Only of Nucleobase, Amino Acid, and Glycoside. Journal of the American Chemical Society, 2011, 133, 17513-17518.	6.6	115
33	Supramolecular Nanofibers and Hydrogels of Nucleopeptides. Angewandte Chemie - International Edition, 2011, 50, 9365-9369.	7.2	133
34	Enzymeâ€instructed selfâ€assembly of peptide derivatives to form nanofibers and hydrogels. Biopolymers, 2010, 94, 19-31.	1.2	99
35	Aromaticâ^'Aromatic Interactions Induce the Self-Assembly of Pentapeptidic Derivatives in Water To Form Nanofibers and Supramolecular Hydrogels. Journal of the American Chemical Society, 2010, 132, 2719-2728.	6.6	328
36	Molecular Nanofibers of Olsalazine Form Supramolecular Hydrogels for Reductive Release of an Anti-inflammatory Agent. Journal of the American Chemical Society, 2010, 132, 17707-17709.	6.6	165

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37	Enzymatic formation of a photoresponsive supramolecular hydrogel. Chemical Communications, 2010, 46, 5364.	2.2	99
38	Supramolecular Hydrogel of a <scp>d</scp>-Amino Acid Dipeptide for Controlled Drug Release in Vivo. Langmuir, 2009, 25, 8419-8422.	1.6	257
39	Enzyme-Instructed Molecular Self-assembly Confers Nanofibers and a Supramolecular Hydrogel of Taxol Derivative. Journal of the American Chemical Society, 2009, 131, 13576-13577.	6.6	373
40	Multifunctional Yolkâ˜Shell Nanoparticles: A Potential MRI Contrast and Anticancer Agent. Journal of the American Chemical Society, 2008, 130, 11828-11833.	6.6	354
41	FePt@CoS2Yolkâ˜Shell Nanocrystals as a Potent Agent to Kill HeLa Cells. Journal of the American Chemical Society, 2007, 129, 1428-1433.	6.6	392
42	Using Congo red to report intracellular hydrogelation resulted from self-assembly of small molecules. Chemical Communications, 2007, , 4096.	2.2	40
43	Aptamerâ€Arrayâ€Guided Protein Assembly Enhances Synthetic mRNA Switch Performance. Angewandte Chemie, 0, , .	1.6	1