

Yi Kuang

List of Publications by Year in descending order

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Version: 2024-02-01

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	FePt@CoS ₂ Yolk-Shell Nanocrystals as a Potent Agent to Kill HeLa Cells. <i>Journal of the American Chemical Society</i> , 2007, 129, 1428-1433.	6.6	392
2	Enzyme-Instructed Molecular Self-assembly Confers Nanofibers and a Supramolecular Hydrogel of Taxol Derivative. <i>Journal of the American Chemical Society</i> , 2009, 131, 13576-13577.	6.6	373
3	Multifunctional Yolk-Shell Nanoparticles: A Potential MRI Contrast and Anticancer Agent. <i>Journal of the American Chemical Society</i> , 2008, 130, 11828-11833.	6.6	354
4	Aromatic-Aromatic Interactions Induce the Self-Assembly of Pentapeptidic Derivatives in Water To Form Nanofibers and Supramolecular Hydrogels. <i>Journal of the American Chemical Society</i> , 2010, 132, 2719-2728.	6.6	328
5	Pericellular Hydrogel/Nanonets Inhibit Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8104-8107.	7.2	280
6	α -Amino Acids Boost the Selectivity and Confer Supramolecular Hydrogels of a Nonsteroidal Anti-Inflammatory Drug (NSAID). <i>Journal of the American Chemical Society</i> , 2013, 135, 542-545.	6.6	264
7	Supramolecular Hydrogel of a α -Amino Acid Dipeptide for Controlled Drug Release in Vivo. <i>Langmuir</i> , 2009, 25, 8419-8422.	1.6	257
8	Dephosphorylation of α -Peptide Derivatives to Form Biofunctional, Supramolecular Nanofibers/Hydrogels and Their Potential Applications for Intracellular Imaging and Intratumoral Chemotherapy. <i>Journal of the American Chemical Society</i> , 2013, 135, 9907-9914.	6.6	226
9	Versatile Small-Molecule Motifs for Self-Assembly in Water and the Formation of Biofunctional Supramolecular Hydrogels. <i>Langmuir</i> , 2011, 27, 529-537.	1.6	203
10	Molecular Nanofibers of Olsalazine Form Supramolecular Hydrogels for Reductive Release of an Anti-inflammatory Agent. <i>Journal of the American Chemical Society</i> , 2010, 132, 17707-17709.	6.6	165
11	Enzyme-Instructed Intracellular Molecular Self-Assembly to Boost Activity of Cisplatin against Drug-Resistant Ovarian Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13307-13311.	7.2	158
12	A Redox Responsive, Fluorescent Supramolecular Metallohydrogel Consists of Nanofibers with Single-Molecule Width. <i>Journal of the American Chemical Society</i> , 2013, 135, 5008-5011.	6.6	151
13	Supramolecular Nanofibers and Hydrogels of Nucleopeptides. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9365-9369.	7.2	133
14	Disruption of the Dynamics of Microtubules and Selective Inhibition of Glioblastoma Cells by Nanofibers of Small Hydrophobic Molecules. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6944-6948.	7.2	123
15	Multifunctional, Biocompatible Supramolecular Hydrogelators Consist Only of Nucleobase, Amino Acid, and Glycoside. <i>Journal of the American Chemical Society</i> , 2011, 133, 17513-17518.	6.6	115
16	Enzyme-Instructed self-Assembly of peptide derivatives to form nanofibers and hydrogels. <i>Biopolymers</i> , 2010, 94, 19-31.	1.2	99
17	Enzymatic formation of a photoresponsive supramolecular hydrogel. <i>Chemical Communications</i> , 2010, 46, 5364.	2.2	99
18	Synthetic RNA-based logic computation in mammalian cells. <i>Nature Communications</i> , 2018, 9, 4847.	5.8	87

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19	MicroRNA-302 switch to identify and eliminate undifferentiated human pluripotent stem cells. <i>Scientific Reports</i> , 2016, 6, 32532.	1.6	82
20	N 1-Methylpseudouridine substitution enhances the performance of synthetic mRNA switches in cells. <i>Nucleic Acids Research</i> , 2020, 48, e35-e35.	6.5	70
21	Probing Nanoscale Self-Assembly of Nonfluorescent Small Molecules inside Live Mammalian Cells. <i>ACS Nano</i> , 2013, 7, 9055-9063.	7.3	69
22	The conjugation of nonsteroidal anti-inflammatory drugs (NSAID) to small peptides for generating multifunctional supramolecular nanofibers/hydrogels. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 908-917.	1.3	63
23	Self-Delivery Multifunctional Anti-HIV Hydrogels for Sustained Release. <i>Advanced Healthcare Materials</i> , 2013, 2, 1586-1590.	3.9	60
24	Efficient, Selective Removal of Human Pluripotent Stem Cells via Ecto-Alkaline Phosphatase-Mediated Aggregation of Synthetic Peptides. <i>Cell Chemical Biology</i> , 2017, 24, 685-694.e4.	2.5	57
25	Prion-like Nanofibrils of Small Molecules (PriSM) Selectively Inhibit Cancer Cells by Impeding Cytoskeleton Dynamics. <i>Journal of Biological Chemistry</i> , 2014, 289, 29208-29218.	1.6	46
26	Supramolecular hydrogels formed by the conjugates of nucleobases, Arg-Gly-Asp (RGD) peptides, and glucosamine. <i>Soft Matter</i> , 2012, 8, 7402.	1.2	42
27	“Molecular trinity” for soft nanomaterials: integrating nucleobases, amino acids, and glycosides to construct multifunctional hydrogelators. <i>Soft Matter</i> , 2012, 8, 2801.	1.2	42
28	Post-Self-Assembly Cross-Linking of Molecular Nanofibers for Oscillatory Hydrogels. <i>Langmuir</i> , 2012, 28, 3063-3066.	1.6	41
29	Imaging Self-Assembly Dependent Spatial Distribution of Small Molecules in a Cellular Environment. <i>Langmuir</i> , 2013, 29, 15191-15200.	1.6	41
30	Using Congo red to report intracellular hydrogelation resulted from self-assembly of small molecules. <i>Chemical Communications</i> , 2007, , 4096.	2.2	40
31	In situ generated D-peptidic nanofibrils as multifaceted apoptotic inducers to target cancer cells. <i>Cell Death and Disease</i> , 2017, 8, e2614-e2614.	2.7	40
32	Supramolecular hydrogelators of N-terminated dipeptides selectively inhibit cancer cells. <i>Chemical Communications</i> , 2011, 47, 12625.	2.2	39
33	Supramolecular Nanofibrils Inhibit Cancer Progression In Vitro and In Vivo. <i>Advanced Healthcare Materials</i> , 2014, 3, 1217-1221.	3.9	39
34	Active Cross-Linkers that Lead to Active Gels. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11494-11498.	7.2	36
35	Catalytic dephosphorylation of adenosine monophosphate (AMP) to form supramolecular nanofibers/hydrogels. <i>Chemical Communications</i> , 2012, 48, 2098.	2.2	34
36	The first supramolecular peptidic hydrogelator containing taurine. <i>Chemical Communications</i> , 2014, 50, 2772-2774.	2.2	32

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37	Supramolecular hydrogels based on the epitope of potassium ion channels. <i>Chemical Communications</i> , 2011, 47, 8772.	2.2	31
38	Interactions between cellular proteins and morphologically different nanoscale aggregates of small molecules. <i>RSC Advances</i> , 2013, 3, 7704.	1.7	30
39	Supramolecular hydrogel of kanamycin selectively sequesters 16S rRNA. <i>Chemical Communications</i> , 2012, 48, 9257.	2.2	18
40	Nanonets Collect Cancer Secretome from Pericellular Space. <i>PLoS ONE</i> , 2016, 11, e0154126.	1.1	11
41	Aptamer-Array-Guided Protein Assembly Enhances Synthetic mRNA Switch Performance. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	5
42	Aptamer-Array-Guided Protein Assembly Enhances Synthetic mRNA Switch Performance. <i>Angewandte Chemie</i> , 0, , .	1.6	1
43	Biocompatibility of Hydrogelators Based on Small Peptide Derivatives. <i>RSC Soft Matter</i> , 2014, , 31-47.	0.2	0