Kou Okuro

List of Publications by Year in Descending Order

29 papers	2,453 citations	18 h-index	32 g-index
32 ext. papers	2,773 ext. citations	15.5 avg, IF	5.22 L-index

#	Paper	IF	Citations
29	Bio-adhesive Nanoporous Module: Toward Autonomous Gating. *Angewandte Chemie*, **2021**, 133, 9014-9019	3.6	
28	Bio-adhesive Nanoporous Module: Toward Autonomous Gating. *Angewandte Chemie - International Edition*, **2021**, 60, 8932-8937	16.4	1
27	Titelbild: Bio-adhesive Nanoporous Module: Toward Autonomous Gating (Angew. Chem. 16/2021). *Angewandte Chemie*, **2021**, 133, 8641-8641	3.6	0
26	Photoreactive Molecular Glue for Enhancing the Efficacy of DNA Aptamers by Temporary-to-Permanent Conjugation with Target Proteins. *Journal of the American Chemical Society*, **2021**, 143, 13937-13943	16.4	2
25	Intracellular Photoactivation of Caspase-3 by Molecular Glues for Spatiotemporal Apoptosis Induction. *Journal of the American Chemical Society*, **2020**, 142, 8080-8084	16.4	15
24	Asymmetric catalysis mediated by a mirror symmetry-broken helical nanoribbon. *Nature Communications*, **2019**, 10, 3976	17.4	42
23	Molecular Glue that Spatiotemporally Turns on Protein-Protein Interactions. *Journal of the American Chemical Society*, **2019**, 141, 8035-8040	16.4	22
22	Transferrin-Appended Nanocaplet for Transcellular siRNA Delivery into Deep Tissues. *Journal of the American Chemical Society*, **2019**, 141, 2862-2866	16.4	32
21	Caged Molecular Glues as Photoactivatable Tags for Nuclear Translocation of Guests in Living Cells. *Journal of the American Chemical Society*, **2018**, 140, 2687-2692	16.4	18
20	Dendritic Molecular Glues with Reductively Cleavable Guanidinium Ion Pendants: Highly Efficient Intracellular siRNA Delivery via Direct Translocation. *Chemistry Letters*, **2018**, 47, 1232-1235	1.7	4
19	Mechanically robust, readily repairable polymers via tailored noncovalent cross-linking. *Science*, **2018**, 359, 72-76	33.3	485
18	Nitrobenzoxadiazole-Appended Cell Membrane Modifiers for Efficient Optoporation with Noncoherent Light. *Bioconjugate Chemistry*, **2018**, 29, 2068-2073	6.3	4
17	Guanidinium-based "molecular glues" for modulation of biomolecular functions. *Chemical Society Reviews*, **2017**, 46, 6480-6491	58.5	66
16	Adhesive Photoswitch: Selective Photochemical Modulation of Enzymes under Physiological Conditions. *Journal of the American Chemical Society*, **2017**, 139, 10072-10078	16.4	39
15	Photoinduced Bioorthogonal 1,3-Dipolar Poly-cycloaddition Promoted by Oxyanionic Substrates for Spatiotemporal Operation of Molecular Glues. *Angewandte Chemie - International Edition*, **2016**, 55, 193-8	16.4	16
14	Photoinduced Bioorthogonal 1,3-Dipolar Poly-cycloaddition Promoted by Oxyanionic Substrates for Spatiotemporal Operation of Molecular Glues. *Angewandte Chemie*, **2016**, 128, 201-206	3.6	
13	Boronic Acid-Appended Molecular Glues for ATP-Responsive Activity Modulation of Enzymes. *Journal of the American Chemical Society*, **2016**, 138, 5527-30	16.4	50

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12	Molecular glues for manipulating enzymes: trypsin inhibition by benzamidine-conjugated molecular glues. *Chemical Science*, **2015**, 6, 2802-2805	9.4	22
11	Ionic interactions. Subnanoscale hydrophobic modulation of salt bridges in aqueous media. *Science*, **2015**, 348, 555-9	33.3	43
10	Reductively Cleavable Nanocaplets for siRNA Delivery by Template-Assisted Oxidative Polymerization. *Journal of the American Chemical Society*, **2015**, 137, 15608-11	16.4	58
9	Structure and shape effects of molecular glue on supramolecular tubulin assemblies. *ACS Nano*, **2014**, 8, 904-14	16.7	32
8	Photoclickable dendritic molecular glue: noncovalent-to-covalent photochemical transformation of protein hybrids. *Journal of the American Chemical Society*, **2013**, 135, 4684-7	16.4	27
7	Friction-mediated dynamic disordering of phospholipid membrane by mechanical motions of photoresponsive molecular glue: activation of ion permeation. *Journal of the American Chemical Society*, **2012**, 134, 15273-6	16.4	29
6	High-water-content mouldable hydrogels by mixing clay and a dendritic molecular binder. *Nature*, **2010**, 463, 339-43	50.4	1309
5	Image analysis of alpha/beta-tubulin rings in two-dimensional crystalline arrays of periodic mesoporous nanostructures. *Journal of Biochemistry*, **2010**, 147, 555-63	3.1	4
4	Adhesion Effects of a Guanidinium Ion Appended Dendritic "Molecular Glue" on the ATP-Driven Sliding Motion of Actomyosin. *Angewandte Chemie*, **2010**, 122, 3094-3097	3.6	5
3	Adhesion effects of a guanidinium ion appended dendritic "molecular glue" on the ATP-driven sliding motion of actomyosin. *Angewandte Chemie - International Edition*, **2010**, 49, 3030-3	16.4	33
2	Molecular glues carrying multiple guanidinium ion pendants via an oligoether spacer: stabilization of microtubules against depolymerization. *Journal of the American Chemical Society*, **2009**, 131, 1626-7	16.4	70
1	Substrate specificity and reaction mechanism of recombinant styrene oxide isomerase from Pseudomonas putida S12. *Tetrahedron Letters*, **2007**, 48, 3255-3257	2	25