

# Kou Okuro

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	High-water-content mouldable hydrogels by mixing clay and a dendritic molecular binder. <i>Nature</i> , <b>2010</b> , 463, 339-43	50.4	1309
28	Mechanically robust, readily repairable polymers via tailored noncovalent cross-linking. <i>Science</i> , <b>2018</b> , 359, 72-76	33.3	485
27	Molecular glues carrying multiple guanidinium ion pendants via an oligoether spacer: stabilization of microtubules against depolymerization. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 1626-7	16.4	70
26	Guanidinium-based "molecular glues" for modulation of biomolecular functions. <i>Chemical Society Reviews</i> , <b>2017</b> , 46, 6480-6491	58.5	66
25	Reductively Cleavable Nanocaplets for siRNA Delivery by Template-Assisted Oxidative Polymerization. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 15608-11	16.4	58
24	Boronic Acid-Appended Molecular Glues for ATP-Responsive Activity Modulation of Enzymes. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 5527-30	16.4	50
23	Ionic interactions. Subnanoscale hydrophobic modulation of salt bridges in aqueous media. <i>Science</i> , <b>2015</b> , 348, 555-9	33.3	43
22	Asymmetric catalysis mediated by a mirror symmetry-broken helical nanoribbon. <i>Nature Communications</i> , <b>2019</b> , 10, 3976	17.4	42
21	Adhesive Photoswitch: Selective Photochemical Modulation of Enzymes under Physiological Conditions. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 10072-10078	16.4	39
20	Adhesion effects of a guanidinium ion appended dendritic "molecular glue" on the ATP-driven sliding motion of actomyosin. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 3030-3	16.4	33
19	Transferrin-Appended Nanocaplet for Transcellular siRNA Delivery into Deep Tissues. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 2862-2866	16.4	32
18	Structure and shape effects of molecular glue on supramolecular tubulin assemblies. <i>ACS Nano</i> , <b>2014</b> , 8, 904-14	16.7	32
17	Friction-mediated dynamic disordering of phospholipid membrane by mechanical motions of photoresponsive molecular glue: activation of ion permeation. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 15273-6	16.4	29
16	Photoclickable dendritic molecular glue: noncovalent-to-covalent photochemical transformation of protein hybrids. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 4684-7	16.4	27
15	Substrate specificity and reaction mechanism of recombinant styrene oxide isomerase from <i>Pseudomonas putida</i> S12. <i>Tetrahedron Letters</i> , <b>2007</b> , 48, 3255-3257	2	25
14	Molecular Glue that Spatiotemporally Turns on Protein-Protein Interactions. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 8035-8040	16.4	22
13	Molecular glues for manipulating enzymes: trypsin inhibition by benzamidine-conjugated molecular glues. <i>Chemical Science</i> , <b>2015</b> , 6, 2802-2805	9.4	22

12	Caged Molecular Glues as Photoactivatable Tags for Nuclear Translocation of Guests in Living Cells. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 2687-2692	16.4	18
11	Photoinduced Bioorthogonal 1,3-Dipolar Poly-cycloaddition Promoted by Oxyanionic Substrates for Spatiotemporal Operation of Molecular Glues. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 193-8	16.4	16
10	Intracellular Photoactivation of Caspase-3 by Molecular Glues for Spatiotemporal Apoptosis Induction. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 8080-8084	16.4	15
9	Adhesion Effects of a Guanidinium Ion Appended Dendritic Molecular Glue on the ATP-Driven Sliding Motion of Actomyosin. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 3094-3097	3.6	5
8	Dendritic Molecular Glues with Reductively Cleavable Guanidinium Ion Pendants: Highly Efficient Intracellular siRNA Delivery via Direct Translocation. <i>Chemistry Letters</i> , <b>2018</b> , 47, 1232-1235	1.7	4
7	Image analysis of alpha/beta-tubulin rings in two-dimensional crystalline arrays of periodic mesoporous nanostructures. <i>Journal of Biochemistry</i> , <b>2010</b> , 147, 555-63	3.1	4
6	Nitrobenzoxadiazole-Appended Cell Membrane Modifiers for Efficient Optoporation with Noncoherent Light. <i>Bioconjugate Chemistry</i> , <b>2018</b> , 29, 2068-2073	6.3	4
5	Photoreactive Molecular Glue for Enhancing the Efficacy of DNA Aptamers by Temporary-to-Permanent Conjugation with Target Proteins. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 13937-13943	16.4	2
4	Bio-adhesive Nanoporous Module: Toward Autonomous Gating. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 8932-8937	16.4	1
3	Titelbild: Bio-adhesive Nanoporous Module: Toward Autonomous Gating (Angew. Chem. 16/2021). <i>Angewandte Chemie</i> , <b>2021</b> , 133, 8641-8641	3.6	0
2	Bio-adhesive Nanoporous Module: Toward Autonomous Gating. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 9014-9019	3.6	0
1	Photoinduced Bioorthogonal 1,3-Dipolar Poly-cycloaddition Promoted by Oxyanionic Substrates for Spatiotemporal Operation of Molecular Glues. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 201-206	3.6	0