

# Kyu-Sung Jeong

## List of Publications by Year in descending order

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98  
papers

3,873  
citations

94433

37  
h-index

133252

59  
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105  
all docs

105  
docs citations

105  
times ranked

3104  
citing authors

#	ARTICLE	IF	CITATIONS
1	Indole-Based Macrocycles as a Class of Receptors for Anions. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7926-7929.	13.8	262
2	Foldamers with helical cavities for binding complementary guests. <i>Chemical Society Reviews</i> , 2009, 38, 3316.	38.1	201
3	Oligoindole-Based Foldamers with a Helical Conformation Induced by Chloride. <i>Journal of the American Chemical Society</i> , 2005, 127, 12214-12215.	13.7	187
4	Anion-controlled foldamers. <i>Chemical Society Reviews</i> , 2010, 39, 3664.	38.1	163
5	Folding-driven synthesis of oligomers. <i>Nature</i> , 2001, 414, 889-893.	27.8	161
6	A Foldamer-Based Chiroptical Molecular Switch That Displays Complete Inversion of the Helical Sense upon Anion Binding. <i>Journal of the American Chemical Society</i> , 2011, 133, 13938-13941.	13.7	160
7	Indolocarbazole-Based Foldamers Capable of Binding Halides in Water. <i>Journal of the American Chemical Society</i> , 2008, 130, 11868-11869.	13.7	142
8	Amphotericin B-entrapping lipid nanoparticles and their in vitro and in vivo characteristics. <i>European Journal of Pharmaceutical Sciences</i> , 2009, 37, 313-320.	4.0	90
9	Selective sulfate binding induces helical folding of an indolocarbazole oligomer in solution and solid state. <i>Chemical Communications</i> , 2010, 46, 764-766.	4.1	84
10	Asymmetric dihydroxylation of enynes. <i>Tetrahedron Letters</i> , 1992, 33, 3833-3836.	1.4	77
11	Folding and Anion Binding Properties of Fluorescent Oligoindole Foldamers. <i>Chemistry - A European Journal</i> , 2008, 14, 11406-11414.	3.3	75
12	Biased Helical Folding of Chiral Oligoindole Foldamers. <i>Organic Letters</i> , 2008, 10, 5373-5376.	4.6	70
13	Azobenzene-based chloride transporters with light-controllable activities. <i>Chemical Communications</i> , 2014, 50, 15305-15308.	4.1	69
14	Neutral Macrocyclic Boxes Spontaneously Assembled from Osmium Tetraoxide, Olefin, and Pyridyl Ligand. <i>Journal of the American Chemical Society</i> , 1998, 120, 10982-10983.	13.7	63
15	Polyethylene glycol-complexed cationic liposome for enhanced cellular uptake and anticancer activity. <i>International Journal of Pharmaceutics</i> , 2009, 382, 254-261.	5.2	63
16	A molecular receptor that selectively binds dihydrogen phosphate. <i>Tetrahedron Letters</i> , 2006, 47, 8539-8541.	1.4	60
17	Folding-Generated Molecular Tubes Containing One-Dimensional Water Chains. <i>Journal of the American Chemical Society</i> , 2016, 138, 92-95.	13.7	56
18	Two distinct anion-binding modes and their relative stabilities. <i>Chemical Communications</i> , 2007, , 3401.	4.1	53

#	ARTICLE	IF	CITATIONS
19	Self-Assembly of Rotaxane-Like Complexes with Macrocycles Containing Reversible Coordinate Bonds. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 1692-1695.	13.8	52
20	Biindolyl-based molecular clefts that bind anions by hydrogen-bonding interactions. <i>Tetrahedron Letters</i> , 2006, 47, 6385-6388.	1.4	52
21	A catenated anion receptor based on indolocarbazole. <i>Tetrahedron Letters</i> , 2010, 51, 4240-4242.	1.4	52
22	Synthesis of Biindole $\pi$ -Diazo Conjugates as a Colorimetric Anion Receptor. <i>Organic Letters</i> , 2010, 12, 2634-2637.	4.6	51
23	A New Nucleophilic Catalyst for Kinetic Resolution of Racemicsec-Alcohols. <i>Chemistry Letters</i> , 2002, 31, 1114-1115.	1.3	50
24	An anion receptor with NH and OH groups for hydrogen bonds. <i>Chemical Communications</i> , 2008, , 3546.	4.1	50
25	Disaccharide-modified liposomes and their in vitro intracellular uptake. <i>International Journal of Pharmaceutics</i> , 2009, 380, 161-169.	5.2	48
26	Assembly and Binding Properties of Osmate Ester-Bridged Binuclear Macrocycles. <i>Journal of Organic Chemistry</i> , 1999, 64, 9459-9466.	3.2	47
27	Highly strong complexation of carboxylates with 1-alkylpyridinium receptors in polar solvents. <i>Tetrahedron Letters</i> , 1997, 38, 3279-3282.	1.4	46
28	Self-Assembly and Dynamics of [2]- and [3]Rotaxanes with a Dinuclear Macrocycle Containing Reversible Os $\pi$ -N Coordinate Bonds. <i>Chemistry - A European Journal</i> , 2001, 7, 2687-2697.	3.3	46
29	Efficient Modulation of Hydrogen-Bonding Interactions by Remote Substituents. <i>Organic Letters</i> , 2004, 6, 181-184.	4.6	46
30	Increased stability in plasma and enhanced cellular uptake of thermally denatured albumin-coated liposomes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 76, 434-440.	5.0	46
31	Synthetic K <sup>+</sup> /Cl <sup>-</sup> -Selective Symporter across a Phospholipid Membrane. <i>Journal of Organic Chemistry</i> , 2014, 79, 6403-6409.	3.2	46
32	A Double-Walled Hexagonal Supermolecule Assembled by Guest Binding. <i>Journal of the American Chemical Society</i> , 2001, 123, 1258-1259.	13.7	45
33	An ion pair receptor showing remarkable enhancement of anion-binding strengths in the presence of alkali metal cations. <i>Tetrahedron Letters</i> , 2007, 48, 6624-6627.	1.4	43
34	Indole-based macrocycles and oligomers binding anions. <i>Pure and Applied Chemistry</i> , 2008, 80, 599-608.	1.9	42
35	Helicity Control of an Indolocarbazole Foldamer by Chiral Organic Anions. <i>Organic Letters</i> , 2012, 14, 5018-5021.	4.6	41
36	Quantitative Comparison of Kinetic Stabilities of Metallomacrocyclic-Based Rotaxanes. <i>Chemistry - A European Journal</i> , 2003, 9, 1535-1541.	3.3	39

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37	Enzyme-Responsive Procarriers Capable of Transporting Chloride Ions across Lipid and Cellular Membranes. <i>Journal of the American Chemical Society</i> , 2016, 138, 15319-15322.	13.7	38
38	A helically twisted imine macrocycle that allows for determining the absolute configuration of $\text{L}\pm$ -amino carboxylates. <i>Chemical Communications</i> , 2013, 49, 11412.	4.1	37
39	Synthesis and Binding Properties of Anion Receptors Containing Multiple Hydrogen Bond Donors. <i>Supramolecular Chemistry</i> , 2007, 19, 257-263.	1.2	36
40	New Chiral Auxiliaries for Enolate Alkylations. <i>Angewandte Chemie International Edition in English</i> , 1990, 29, 555-556.	4.4	33
41	Molecular recognition of dicarboxylate ions by bis-phenylureas derived from a new dicarboxylic acid. <i>Tetrahedron Letters</i> , 1996, 37, 2795-2798.	1.4	33
42	m-Phenylene Ethynylene Sequences Joined by Imine Linkages: A Dynamic Covalent Oligomers. <i>Journal of Organic Chemistry</i> , 2003, 68, 8397-8403.	3.2	33
43	Helical Aromatic Foldamers Functioning as a Fluorescence Turn-on Probe for Anions. <i>Organic Letters</i> , 2016, 18, 4404-4407.	4.6	33
44	Synthesis and Characterization of a Metallocycle-Based Molecular Shuttle. <i>Journal of Organic Chemistry</i> , 2003, 68, 4014-4019.	3.2	31
45	Self-Assembled Metallocycles with Two Interactive Binding Domains. <i>Chemistry - A European Journal</i> , 2004, 10, 4358-4366.	3.3	30
46	Enantioselective Complexation of Flexible and Rigid Substrates through Molecular Recognition. <i>Angewandte Chemie International Edition in English</i> , 1991, 30, 858-860.	4.4	27
47	Molecular receptor for binding quaternary ammonium salts and a large anion effect on the complexation. <i>Tetrahedron Letters</i> , 1998, 39, 3779-3782.	1.4	27
48	Aromatic Hybrid Foldamer with a Hydrophilic Helical Cavity Capable of Encapsulating Glucose. <i>Organic Letters</i> , 2017, 19, 5625-5628.	4.6	26
49	Molecular Recognition: Stacking Interactions Influence Watson-Crick vs. Hoogsteen Base-Pairing in a Model for Adenine Receptors. <i>Angewandte Chemie International Edition in English</i> , 1987, 26, 1244-1245.	4.4	23
50	Self-assembly and binding properties of a metallomacrocycle having two interactive binding subcavities Electronic supplementary information (ESI) available: synthesis, ESI-mass data, binding studies, concentration-dependent $^1\text{H}$ NMR spectra, modeling structure and VPO experiments of 1. See <a href="http://www.rsc.org/suppdata/cc/b3/b306497b/">http://www.rsc.org/suppdata/cc/b3/b306497b/</a> . <i>Chemical Communications</i> , 2003, , 2026.	4.1	23
51	Reversible Control of Assembly and Disassembly of Interlocked Supermolecules. <i>Journal of Organic Chemistry</i> , 2004, 69, 6556-6563.	3.2	23
52	Synthetic chloride transporters with the binding mode observed in a CIC chloride channel. <i>Chemical Communications</i> , 2012, 48, 10346.	4.1	22
53	Helically Foldable Diphenylureas as Anion Receptors: Modulation of the Binding Affinity by the Chain Length. <i>Organic Letters</i> , 2012, 14, 5042-5045.	4.6	22
54	A chiral indolocarbazole foldamer displaying strong circular dichroism responsive to anion binding. <i>Chemical Communications</i> , 2013, 49, 9743.	4.1	22

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55	Indoles and Related Heterocycles. Topics in Heterocyclic Chemistry, 2010, , 177-204.	0.2	21
56	Chloride transport activities of trans- and cis-amide-linked bisureas. Chemical Communications, 2015, 51, 9197-9200.	4.1	21
57	A pseudorotaxane-based molecular machine controlled by light and thermal stimuli. Chemical Communications, 2003, , 1450-1451.	4.1	18
58	Dramatic Enhancement of Binding Affinities Between Foldamer-Based Receptors and Anions by Intra-Receptor $\pi$ -Stacking. Angewandte Chemie - International Edition, 2020, 59, 10441-10445.	13.8	18
59	Self-Assembly of Interlocked Supramolecular Dendrimers. Journal of Organic Chemistry, 2004, 69, 2618-2621.	3.2	17
60	Stereospecific control of the helical orientation of indolocarbazole-pyridine hybrid foldamers by rational modification of terminal chiral appendages. Chemical Communications, 2017, 53, 6508-6511.	4.1	17
61	Copper-Catalyzed 1,2-Bistrifluoromethylation of Terminal Alkenes. Advanced Synthesis and Catalysis, 2019, 361, 2136-2140.	4.3	17
62	Chemical Synthesis of Cyclic Galactooligofuranosides Isolated from Enzymatic Degradation Products of Cell Wall Arabinogalactan of Mycobacterium tuberculosis. Organic Letters, 2008, 10, 2373-2376.	4.6	16
63	An Indolocarbazole Trimer with an Expanded Cavity for Anion Binding. Chemistry - an Asian Journal, 2011, 6, 1992-1995.	3.3	16
64	Indolocarbazole-based anion receptors and molecular switches. Pure and Applied Chemistry, 2012, 84, 953-964.	1.9	16
65	Modulation of helix stability of indolocarbazole-pyridine hybrid foldamers. Chemical Communications, 2016, 52, 3406-3409.	4.1	16
66	Foldamer-based helicate displaying reversible switching between two distinct conformers. Chemical Communications, 2018, 54, 5740-5743.	4.1	16
67	Template-Directed Quantitative One-Pot Synthesis of Homochiral Helical Receptors Enabling Enantioselective Binding. Angewandte Chemie - International Edition, 2020, 59, 22475-22479.	13.8	16
68	Carbazole-based molecular tweezers as platforms for the discrimination of heavy metal ions. RSC Advances, 2015, 5, 1097-1102.	3.6	15
69	Identification of crizotinib derivatives as potent SHIP2 inhibitors for the treatment of Alzheimer's disease. European Journal of Medicinal Chemistry, 2018, 157, 405-422.	5.5	13
70	An indolocarbazole dimer as a new stereodynamic probe for chiral 1,2-diamines. Organic and Biomolecular Chemistry, 2014, 12, 5464-5468.	2.8	11
71	Synthesis of novel 1H-Pyrazolo[3,4-b]pyridine derivatives as DYRK 1A/1B inhibitors. Bioorganic and Medicinal Chemistry Letters, 2021, 47, 128226.	2.2	11
72	Podand ionophores capable of forming cation-binding cavities through intramolecular interactions between the terminal groups. Tetrahedron Letters, 1995, 36, 2827-2830.	1.4	9

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73	Synthesis and biological evaluation of aryl isoxazole derivatives as metabotropic glutamate receptor 1 antagonists: A potential treatment for neuropathic pain. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 1324-1328.	2.2	7
74	Matched and Mismatched Phenomena in the Helix Orientation Bias Induced by Chiral Appendages at Multiple Positions of Indolocarbazole-Pyridine Hybrid Foldamers. <i>Journal of Organic Chemistry</i> , 2018, 83, 5123-5131.	3.2	7
75	Synthesis of 1 <i>H</i> -Indazoles via Silver(I)-Mediated Intramolecular Oxidative C-H Bond Amination. <i>ACS Omega</i> , 2021, 6, 6498-6508.	3.5	7
76	Highly preorganized bis(benzocrown ether)s for the binding of metal ions. <i>Tetrahedron Letters</i> , 1994, 35, 7041-7044.	1.4	6
77	Folding and anion-binding properties of an indolocarbazole dimer with urea appendages. <i>Supramolecular Chemistry</i> , 2013, 25, 46-53.	1.2	6
78	Discovery of thienopyrrolotriazine derivatives to protect mitochondrial function against A $\beta$ -induced neurotoxicity. <i>European Journal of Medicinal Chemistry</i> , 2017, 141, 240-256.	5.5	6
79	Encapsulation of dihydrogenphosphate ions as a cyclic dimer to the cavities of site-specifically modified indolocarbazole-pyridine foldamers. <i>Organic Chemistry Frontiers</i> , 2019, 6, 299-303.	4.5	6
80	Molekulare Erkennung: Einfluß von Stapelwechselwirkungen auf das Verhältnis von Watson-Crick- zu Hoogsteen-Basenpaarung in einem Modell des Adenin-Rezeptors. <i>Angewandte Chemie</i> , 1987, 99, 1297-1299.	2.0	5
81	A large enhancement in the binding affinity of artificial hosts by OsVI chelation. <i>Chemical Communications</i> , 1999, , 2069-2070.	4.1	5
82	Macrocycles with two exclusive hydrogen-bonding modes. <i>Tetrahedron Letters</i> , 2006, 47, 8217-8220.	1.4	5
83	Aromatic Helical Foldamers as Nucleophilic Catalysts for the Regioselective Acetylation of Octyl $\beta$ -D-Glucopyranoside. <i>ChemPlusChem</i> , 2020, 85, 2475-2481.	2.8	5
84	Template-Directed Quantitative One-Pot Synthesis of Homochiral Helical Receptors Enabling Enantioselective Binding. <i>Angewandte Chemie</i> , 2020, 132, 22661-22665.	2.0	5
85	Synthesis of a AT base pair model in DNA and determination of hydrogen bonding strength on the formation of base triplet T:AT in CDCl <sub>3</sub> . <i>Tetrahedron Letters</i> , 1997, 38, 8337-8340.	1.4	4
86	Self-assembly and characterization of a giant metallocycle. <i>Tetrahedron Letters</i> , 2005, 46, 2433-2436.	1.4	4
87	Synthesis and binding properties of a macrocycle with two binding subcavities. <i>Tetrahedron Letters</i> , 2006, 47, 4141-4144.	1.4	4
88	Dramatic Enhancement of Binding Affinities Between Foldamer-Based Receptors and Anions by Intra-Receptor $\pi$ -Stacking. <i>Angewandte Chemie</i> , 2020, 132, 10527-10531.	2.0	4
89	Subtle Modification of Imine-Linked Helical Receptors to Significantly Alter their Binding Affinities and Selectivities for Chiral Guests. <i>Chemistry - an Asian Journal</i> , 2021, 16, 2958-2966.	3.3	4
90	Modulation of Binding Affinities between Foldamer-Based Anion Receptors and Chloride Ion. <i>Bulletin of the Korean Chemical Society</i> , 2011, 32, 2891-2892.	1.9	3

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91	Synthesis and Binding Studies of Bowl-Shaped Hosts for Quaternary Ammoniums. Chemistry Letters, 2002, 31, 1166-1167.	1.3	2
92	Anion-induced switching of the helical orientation of a chiral indolocarbazole dimer. Supramolecular Chemistry, 2015, 27, 378-385.	1.2	2
93	Synthesis and biological evaluation of pyrrolidine-based T-type calcium channel inhibitors for the treatment of neuropathic pain. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 1460-1471.	5.2	2
94	Synthesis and Biological Evaluation of Novel GSK-3 $\beta$ Inhibitors as Anticancer Agents. Bulletin of the Korean Chemical Society, 2011, 32, 2015-2020.	1.9	2
95	Tweezer-type binding cavity formed by the helical folding of a carbazole-pyridine oligomer. Chemical Communications, 2022, 58, 1410-1413.	4.1	2
96	Synthesis of Benzofuran Chains: Monomer to Tetramer. Bulletin of the Korean Chemical Society, 2010, 31, 561-562.	1.9	1
97	Suppression of DYRK1A/B Drives Endoplasmic Reticulum Stress-mediated Autophagic Cell Death Through Metabolic Reprogramming in Colorectal Cancer Cells. Anticancer Research, 2022, 42, 589-598.	1.1	1
98	Structural hybridization of pyrrolidine-based T-type calcium channel inhibitors and exploration of their analgesic effects in a neuropathic pain model. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 1168-1172.	2.2	0