

Kazunori Sugiyasu

List of Publications by Year in descending order

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68
papers

4,977
citations

147726

31
h-index

91828

69
g-index

78
all docs

78
docs citations

78
times ranked

4541
citing authors

#	ARTICLE	IF	CITATIONS
1	Living supramolecular polymerization realized through a biomimetic approach. <i>Nature Chemistry</i> , 2014, 6, 188-195.	6.6	666
2	Mechanism of Self-Assembly Process and Seeded Supramolecular Polymerization of Perylene Bisimide Organogelator. <i>Journal of the American Chemical Society</i> , 2015, 137, 3300-3307.	6.6	433
3	Visible-Light-Harvesting Organogel Composed of Cholesterol-Based Perylene Derivatives. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1229-1233.	7.2	430
4	Control over differentiation of a metastable supramolecular assembly in one and two dimensions. <i>Nature Chemistry</i> , 2017, 9, 493-499.	6.6	408
5	First Thermally Responsive Supramolecular Polymer Based on Glycosylated Amino Acid. <i>Journal of the American Chemical Society</i> , 2002, 124, 10954-10955.	6.6	337
6	Photoregulated Living Supramolecular Polymerization Established by Combining Energy Landscapes of Photoisomerization and Nucleation/Elongation Processes. <i>Journal of the American Chemical Society</i> , 2016, 138, 14347-14353.	6.6	178
7	Self-Sorting Organogels with π - π Heterojunction Points. <i>Chemistry of Materials</i> , 2008, 20, 2863-2865.	3.2	169
8	Kinetic Control over Pathway Complexity in Supramolecular Polymerization through Modulating the Energy Landscape by Rational Molecular Design. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 14363-14367.	7.2	162
9	Double helical silica fibrils by sol-gel transcription of chiral aggregates of gemini surfactants. Electronic supplementary information (ESI) available: Fig. S1: TEM image of double stranded silica obtained by sol-gel transcription of l-1/d-1 gel (2 \times 10 ⁻⁴ mol/mol, 33% ee l-1 excess). See http://www.rsc.org/suppdata/cc/b2/b202799m/ . <i>Chemical Communications</i> , 2002, 1212-1213.	2.2	130
10	A Self-Threading Polythiophene: Defect-Free Insulated Molecular Wires Endowed with Long Effective Conjugation Length. <i>Journal of the American Chemical Society</i> , 2010, 132, 14754-14756.	6.6	129
11	A Block Supramolecular Polymer and Its Kinetically Enhanced Stability. <i>Journal of the American Chemical Society</i> , 2018, 140, 10570-10577.	6.6	112
12	Proton-sensitive fluorescent organogels. Electronic supplementary information (ESI) available: excitation spectrum of 1A ⁺ H ⁺ and fluorescence spectrum of 1 in 1-propanol at 25 ^\circ C . See http://www.rsc.org/suppdata/ob/b2/b210968a/ . <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 895-899.	1.5	103
13	Single Molecular Resistive Switch Obtained via Sliding Multiple Anchoring Points and Varying Effective Wire Length. <i>Journal of the American Chemical Society</i> , 2014, 136, 7327-7332.	6.6	101
14	Cooperative C60 Binding to a Porphyrin Tetramer Arranged around a π -Terphenyl Axis in 1:2 Host-Guest Stoichiometry. <i>Organic Letters</i> , 2002, 4, 925-928.	2.4	96
15	Thermoplastic Fluorescent Conjugated Polymers: Benefits of Preventing π - π Stacking. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10775-10779.	7.2	92
16	First Successful Molecular Design of an Artificial Lewis Oligosaccharide Binding System Utilizing Positive Homotropic Allostereism. <i>Journal of the American Chemical Society</i> , 2001, 123, 10239-10244.	6.6	86
17	Oligofluorene-based electrophoretic nanoparticles in aqueous medium as a donor scaffold for fluorescence resonance energy transfer and white-light emission. <i>Chemical Science</i> , 2011, 2, 291-294.	3.7	81
18	Supramolecular double-stranded Archimedean spirals and concentric toroids. <i>Nature Communications</i> , 2020, 11, 3578.	5.8	67

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19	Polymorphism in Squaraine Dye Aggregates by Self-Assembly Pathway Differentiation: Panchromatic Tubular Dye Nanorods versus Aggregate Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11949-11958.	7.2	58
20	Conjugated Oligomers and Polymers Sheathed with Designer Side Chains. <i>Chemistry - an Asian Journal</i> , 2015, 10, 1820-1835.	1.7	55
21	Conducting-Polymer-Based Chemical Sensors: Transduction Mechanisms. <i>Bulletin of the Chemical Society of Japan</i> , 2007, 80, 2074-2083.	2.0	53
22	Electrochemical Generation and Spectroscopic Characterization of Charge Carriers within Isolated Planar Polythiophene. <i>Macromolecules</i> , 2012, 45, 3759-3771.	2.2	47
23	Whispering Gallery Resonance from Self-Assembled Microspheres of Highly Fluorescent Isolated Conjugated Polymers. <i>Macromolecules</i> , 2015, 48, 3928-3933.	2.2	45
24	Fluorescent organogels as templates for sol-gel transcription toward creation of optical nanofibers. <i>Journal of Materials Chemistry</i> , 2005, 15, 2747.	6.7	44
25	Picket-Fence Polythiophene and its Diblock Copolymers that Afford Microphase Separations Comprising a Stacked and an Isolated Polythiophene Ensemble. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8870-8875.	7.2	42
26	Effect of Conjugated Backbone Protection on Intrinsic and Light-Induced Fluorescence Quenching in Polythiophenes. <i>Chemistry of Materials</i> , 2014, 26, 4867-4875.	3.2	42
27	Living supramolecular polymerization based on reversible deactivation of a monomer by using a "dummy" monomer. <i>Chemical Science</i> , 2019, 10, 6770-6776.	3.7	39
28	Direct Observation and Manipulation of Supramolecular Polymerization by High-Speed Atomic Force Microscopy. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15465-15470.	7.2	38
29	Complementary hydrogen-bonding between thymidine-based low molecular-weight gelator and polynucleotide in organic media. Electronic supplementary information (ESI) available: IR spectral changes in 1 gel induced by poly(A)/lipid addition; TEM images of 1 gel and 1 with poly(A)/lipid (1.0 eq.) gel, and SEM image of 1 with poly(A)/lipid gel (0.5 eq.). See http://www.rsc.org/suppdata/cc/b4/b407756n/ . <i>Chemical Communications</i> , 2004, , 1996.	2.2	33
30	Enhanced Electroluminescence from a Thiophene-Based Insulated Molecular Wire. <i>ACS Macro Letters</i> , 2016, 5, 781-785.	2.3	28
31	Control over the Aspect Ratio of Supramolecular Nanosheets by Molecular Design. <i>Chemistry - A European Journal</i> , 2020, 26, 7840-7846.	1.7	28
32	Autocatalytic Time-Dependent Evolution of Metastable Two-Component Supramolecular Assemblies to Self-Sorted or Coassembled State. <i>Scientific Reports</i> , 2017, 7, 2425.	1.6	27
33	Facile and Stable Dispersion of Carbon Nanotubes into a Hydrogel Composed of a Low Molecular-weight Gelator Bearing a Tautomeric Dye Group. <i>Chemistry Letters</i> , 2004, 33, 120-121.	0.7	24
34	Synthesis of a Doubly Strapped Light-Harvesting Porphyrin Bearing Energy Donor Molecules Hanging on to the Straps: An Attempt toward Macroscopic Control over Molecular Conformation that Affects the Efficiency of Fluorescence Resonance Energy Transfer. <i>Bulletin of the Chemical Society of Japan</i> , 2011, 84, 40-48.	2.0	24
35	Synthesis of Self-Threading Bithiophenes and their Structure-Property Relationships Regarding Cyclic Side-Chains with Atomic Precision. <i>Chemistry - an Asian Journal</i> , 2012, 7, 75-84.	1.7	24
36	Amplified spontaneous emission in insulated polythiophenes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6591-6596.	2.7	24

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37	Conducting Polymer Networks Cross-Linked by Isolated Functional Dyes: Design, Synthesis, and Electrochemical Polymerization of Doubly Strapped Light-Harvesting Porphyrin/Oligothiophene Monomers. <i>Chemistry - A European Journal</i> , 2009, 15, 6350-6362.	1.7	23
38	TICT Induced Fluorescence Color Change Actualized in an Organogel System. <i>Chemistry Letters</i> , 2004, 33, 1124-1125.	0.7	22
39	Design of Novel Composite Materials by Functional Low Molecular-Weight Organogels. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2005, 63, 359-369.	0.0	22
40	Creation of polynucleotide-assisted molecular assemblies in organic solvents: general strategy toward the creation of artificial DNA-like nanoarchitectures. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 712.	1.5	22
41	Facile deposition of [60]fullerene and carbon nanotubes on ITO electrode by electrochemical oxidative polymerization of ethylenedioxythiophene Electronic supplementary information (ESI) available: SEM images. See http://www.rsc.org/suppdata/ob/b3/b303828a/ . <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 2343.	1.5	20
42	Blending conjugated polymers without phase separation for fluorescent colour tuning of polymeric materials through FRET. <i>Chemical Communications</i> , 2014, 50, 11814-11817.	2.2	20
43	Aromaticity in Tropone-Containing Polythiophene. <i>Macromolecules</i> , 2006, 39, 5598-5600.	2.2	19
44	Polymorphism in Squaraine Dye Aggregates by Self-Assembly Pathway Differentiation: Panchromatic Tubular Dye Nanorods versus Aggregate Nanosheets. <i>Angewandte Chemie</i> , 2021, 133, 12056-12065.	1.6	19
45	Supramolecular design of a porphyrin-[60]fullerene photocurrent generation system on a DNA scaffold fabricated by a conjugate polymer film. <i>Tetrahedron Letters</i> , 2005, 46, 3169-3173.	0.7	16
46	Direct Observation and Manipulation of Supramolecular Polymerization by High-Speed Atomic Force Microscopy. <i>Angewandte Chemie</i> , 2018, 130, 15691-15696.	1.6	13
47	Allosteric saccharide sensing by a phenylboronic-acids-appended 5,15-Bis(triarylethynyl)porphyrin. <i>Journal of Supramolecular Chemistry</i> , 2002, 2, 133-142.	0.4	11
48	Synthesis and Fluorescence Resonance Energy Transfer Properties of an Alternating Donor-Acceptor Copolymer Featuring Orthogonally Arrayed Transition Dipoles along the Polymer Backbone. <i>ACS Macro Letters</i> , 2012, 1, 1199-1203.	2.3	11
49	Strapped porphyrin-based polymeric systems. <i>Polymer Journal</i> , 2014, 46, 674-681.	1.3	11
50	Landscape of Charge Carrier Transport in Doped Poly(3-hexylthiophene): Noncontact Approach Using Ternary Combined Dielectric, Paramagnetic, and Optical Spectroscopies. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3639-3645.	2.1	11
51	Twisting poly(3-substituted thiophene)s: cyclopolymerization of gemini thiophene monomers through catalyst-transfer polycondensation. <i>Polymer Journal</i> , 2017, 49, 133-139.	1.3	10
52	Raman Fingerprints of π -Electron Delocalization in Polythiophene-Based Insulated Molecular Wires. <i>Macromolecules</i> , 2022, 55, 3458-3468.	2.2	10
53	Porphyrin Polygons: A New Synthetic Strategy for Cyclic Porphyrin Oligomers Utilizing a Porphyrin Double Decker Structure. <i>Chemistry Letters</i> , 2001, 30, 1266-1267.	0.7	6
54	Stabilization of Charge Carriers in Picket-Fence Polythiophenes Using Dielectric Side Chains. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2284-2290.	1.7	6

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55	Impact of a subtle structural difference on the kinetic behavior of metastable supramolecular assemblies. <i>Polymer</i> , 2017, 128, 311-316.	1.8	5
56	Synthesis and Redox Behavior of a Sheathed Cross-Conjugated Polythiophene. <i>Synlett</i> , 2018, 29, 2557-2561.	1.0	5
57	A case study of monomer design for controlled/living supramolecular polymerization. <i>Polymer Journal</i> , 2021, 53, 865-875.	1.3	5
58	Multistep molecular and macromolecular assembly for the creation of complex nanostructures. <i>Chemical Physics Reviews</i> , 2022, 3, 021305.	2.6	4
59	Synthesis of Polyaniline with Low Polydispersity by Using a Supramolecular Ionic Assembly as the Reaction Medium. <i>Chemistry - A European Journal</i> , 2013, 19, 5824-5829.	1.7	2
60	Conductive Poly(2,5-substituted aniline)s Highly Soluble Both in Water and Organic Solvents. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 4449-4454.	0.9	2
61	Synthesis of Unsheathed Insulated Molecular Wires. <i>Chemistry Letters</i> , 2016, 45, 1216-1218.	0.7	2
62	Regression Analysis for Nucleation–Elongation Model of Supramolecular Assembly: How To Determine Nucleus Size. <i>Journal of Physical Chemistry B</i> , 2018, 122, 9592-9604.	1.2	2
63	Rod-like transition first or chain aggregation first? ordered aggregation of rod-like poly(p-phenyleneethynylene) chains in solution. <i>Chemical Communications</i> , 2019, 55, 13342-13345.	2.2	1
64	Frontispiece: Picket-Fence Polythiophene and its Diblock Copolymers that Afford Microphase Separations Comprising a Stacked and an Isolated Polythiophene Ensemble. <i>Angewandte Chemie - International Edition</i> , 2014, 53, n/a-n/a.	7.2	0
65	Supramolecular Assembly that Propagates Like Amyloid Fibrils: Elucidation of the Mechanism and Programming of the Time-Evolution. <i>Seibutsu Butsuri</i> , 2015, 55, 154-156.	0.0	0
66	Innenr¼cktitelbild: Polymorphism in Squaraine Dye Aggregates by Self-Assembly Pathway Differentiation: Panchromatic Tubular Dye Nanorods versus J-Aggregate Nanosheets (<i>Angew. Chem.</i>) Tj ETQq0 0 0.6BT /Overlock 10 T	0.0	0
67	â€œFigurationâ€ for Controlling Stacking of Î-Conjugated Molecules and Polymers. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2018, 76, 200-208.	0.0	0
68	Efficient linking of two epoxides using potassium thioacetate in water and its use in polymerization. <i>Chemical Communications</i> , 2022, 58, 1108-1110.	2.2	0