Daisuke Sakamaki

List of Publications by Year in Descending Order

72 papers	1,466 citations	23 h-index	36 g-index
82 ext. papers	1,675 ext. citations	6.4 avg, IF	4.79 L-index

#	Paper	IF	Citations
72	A dicyanomethyl radical stabilized by ferrocene: a new building block for radical-based dynamic covalent chemistry with redox activity.. *Chemical Communications*, **2022**,	5.8	1
71	Synthesis and Electronic Properties of Directly Linked Dihydrodiazatetracene Dimers. *Chemistry - A European Journal*, **2021**, 27, 4430-4438	4.8	1
70	Double Heterohelicenes Composed of Benzo[]- and Dibenzo[,]phenoxazine: A Comprehensive Comparison of Their Electronic and Chiroptical Properties. *Journal of Physical Chemistry Letters*, **2021**, 12, 9283-9292	6.4	2
69	Tetrathiafulvalene-Inserted Diphenoquinone: Synthesis, Structure, and Dynamic Redox Property. *Chemistry - A European Journal*, **2020**, 26, 14144-14151	4.8	1
68	Extreme multi-point van der Waals interactions: isolable dimers of phthalocyanines substituted with pillar-like azaacenes. *Chemical Science*, **2019**, 10, 8939-8945	9.4	1
67	Dynamic covalent bonds: approaches from stable radical species. *Materials Chemistry Frontiers*, **2019**, 3, 2270-2282	7.8	26
66	Liquid Crystals: Highly Fluorescent Liquid Crystals from Excited-State Intramolecular Proton Transfer Molecules (Advanced Optical Materials 2/2019). *Advanced Optical Materials*, **2019**, 7, 1970008	8.1	1
65	Formation of Cyclophane Macrocycles in Carbazole-Based Biradicaloids: Impact of the Dicyanomethylene Substitution Position. *ACS Omega*, **2019**, 4, 4761-4769	3.9	14
64	Dicyanomethyl Radical-Based Near-Infrared Thermochromic Dyes with High Transparency in the Visible Region **2019**, 1, 25-29		16
63	Electronic and Photophysical Properties of 9,10-Anthrylene-Bridged B-N Donor-Acceptor Molecules with Solid-State Emission in the Yellow to Red Region. *ChemPlusChem*, **2019**, 84, 1305-1313	2.8	3
62	Highly Fluorescent Liquid Crystals from Excited-State Intramolecular Proton Transfer Molecules. *Advanced Optical Materials*, **2019**, 7, 1801349	8.1	19
61	Synthesis and properties of a twin donor molecule composed of cofacially stacked dihydrodiazapentacenes. *Materials Chemistry Frontiers*, **2018**, 2, 530-536	7.8	4
60	Unique cohesive nature of the isomer of [70]PCBM fullerene on structures and photovoltaic performances of bulk heterojunction films with PffBT4T-2OD polymers. *Chemical Communications*, **2018**, 54, 405-408	5.8	20
59	High Pressure Synthesis of Hydride-fluoride Pyrochlore NaCaMg2F7Hx. *Chemistry Letters*, **2018**, 47, 829-832	1.7	
58	Landscape of Charge Carrier Transport in Doped Poly(3-hexylthiophene): Noncontact Approach Using Ternary Combined Dielectric, Paramagnetic, and Optical Spectroscopies. *Journal of Physical Chemistry Letters*, **2018**, 9, 3639-3645	6.4	7
57	Supramolecular assemblies of a nitrogen-embedded buckybowl dimer with C. *Chemical Science*, **2018**, 9, 819-824	9.4	30
56	Comparison of radical generation efficiencies of the oxime-based initiator radicals using galvinoxyl radical as an indicator. *Japanese Journal of Applied Physics*, **2018**, 57, 086504	1.4	3

55	Hash-Mark-Shaped Azaacene Tetramers with Axial Chirality. *Journal of the American Chemical Society*, **2018**, 140, 7152-7158	16.4	21
54	AIE Active Carbazole-Benzothiazole Based ESIPT Motifs: Positional Isomers Directing the Optical and Electronic Properties. *ChemistrySelect*, **2017**, 2, 1959-1966	1.8	13
53	Modulation of Open-shell Characters of Amine-inserted Diphenoquinones via Structural Modification. *Chemistry - an Asian Journal*, **2017**, 12, 1889-1894	4.5	3
52	Tetraaza[1.1.1.1]m,p,m,p-cyclophane Diradical Dications Revisited: Tuning Spin States by Confronted Arenes. *Organic Letters*, **2017**, 19, 3115-3118	6.2	14
51	Tuning of Open-shell Characters of a Terphenoquinone by Introducing a Benzodithiophene Unit. *Chemistry Letters*, **2017**, 46, 805-807	1.7	1
50	Enhancing the low-energy absorption band and charge mobility of antiaromatic Ni norcorroles by their substituent effects. *Chemical Communications*, **2017**, 53, 1112-1115	5.8	23
49	Optical and Structural Properties of ESIPT Inspired HBT-Fluorene Molecular Aggregates and Liquid Crystals. *Journal of Physical Chemistry B*, **2017**, 121, 10407-10416	3.4	25
48	Recognizing Through-Bond and Through-Space Self-Exchange Charge/Spin Transfer Pathways in Bis(triarylamine) Radical Cations with Similar Geometrical Arrangements. *Angewandte Chemie - International Edition*, **2017**, 56, 15712-15717	16.4	24
47	Isolable Triradical Trication of Hexaaza[1]paracyclophane with Embedded 9,10-Anthrylenes: A Frustrated Three-Spin System. *Organic Letters*, **2017**, 19, 4371-4374	6.2	9
46	Recognizing Through-Bond and Through-Space Self-Exchange Charge/Spin Transfer Pathways in Bis(triarylamine) Radical Cations with Similar Geometrical Arrangements. *Angewandte Chemie*, **2017**, 129, 15918-15923	3.6	15
45	Tetraaza[1]- and Octaaza[1]paracyclophane: Synthesis and Characterization of Their Neutral and Cationic States. *Journal of Organic Chemistry*, **2017**, 82, 13348-13358	4.2	14
44	The Divergent Dimerization Behavior of N-Substituted Dicyanomethyl Radicals: Dynamically Stabilized versus Stable Radicals. *Angewandte Chemie - International Edition*, **2017**, 56, 16597-16601	16.4	32
43	The Divergent Dimerization Behavior of N-Substituted Dicyanomethyl Radicals: Dynamically Stabilized versus Stable Radicals. *Angewandte Chemie*, **2017**, 129, 16824-16828	3.6	19
42	Fully-substituted 1,3-Butadienes as π-Conjugated Linkers between Pyrenes. *Chemistry Letters*, **2016**, 45, 403-405	1.7	1
41	Synthesis and Characterization of 6,13-Diamino-Substituted Pentacenes. *Chemistry - A European Journal*, **2016**, 22, 2165-2170	4.8	7
40	AIE active triphenylamine-benzothiazole based motifs: ESIPT or ICT emission. *RSC Advances*, **2016**, 6, 26941-26949	3.7	29
39	N-Substituted Dicyanomethylphenyl Radicals: Dynamic Covalent Properties and Formation of Stimuli-Responsive Cyclophanes by Self-Assembly. *Angewandte Chemie - International Edition*, **2016**, 55, 8634-8	16.4	55
38	Ferrocene-Substituted Naphthalenediimide with Broad Absorption and Electron-Transport Properties in the Segregated-Stack Structure. *Chemistry - A European Journal*, **2016**, 22, 7385-8	4.8	11

37	Interactions: Influence on Molecular Packing and Solid-State Emission of ESIPT and non-ESIPT Motifs. *Asian Journal of Organic Chemistry*, **2016**, 5, 938-945	3	25
36	N-Substituted Dicyanomethylphenyl Radicals: Dynamic Covalent Properties and Formation of Stimuli-Responsive Cyclophanes by Self-Assembly. *Angewandte Chemie*, **2016**, 128, 8776-8780	3.6	28
35	Fabrication of Fluorescent Nanowires via High-Energy Particles-Triggered Polymerization Reactions. *Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]*, **2016**, 29, 373-377	0.7	3
34	Fabrication of Clickable Polyfluorene Nanowires with High Aspect Ratio as Biological Sensing Platforms. *ACS Sensors*, **2016**, 1, 766-774	9.2	8
33	A Facile and Versatile Approach to Double N-Heterohelicenes: Tandem Oxidative C?N Couplings of N-Heteroacenes via Cruciform Dimers. *Angewandte Chemie*, **2015**, 127, 5494-5497	3.6	21
32	A facile and versatile approach to double N-heterohelicenes: tandem oxidative C-N couplings of N-Heteroacenes via cruciform dimers. *Angewandte Chemie - International Edition*, **2015**, 54, 5404-7	16.4	70
31	Diversity-oriented synthesis of tetrathia[8]circulenes by sequential C-H borylation and annulation. *Chemical Communications*, **2015**, 51, 16944-7	5.8	34
30	A Triphenylamine with Two Phenoxy Radicals Having Unusual Bonding Patterns and a Closed-Shell Electronic State. *Angewandte Chemie - International Edition*, **2015**, 54, 8267-70	16.4	7
29	A double hetero[4]helicene composed of two phenothiazines: synthesis, structural properties, and cationic states. *Chemical Communications*, **2015**, 51, 17237-40	5.8	38
28	Nanowires for Renewable Energy. *Springer Briefs in Molecular Science*, **2015**, 53-67	0.6	
27	Highly emissive excited-state intramolecular proton transfer (ESIPT) inspired 2-(2?-hydroxy)benzothiazole fluorene motifs: spectroscopic and photophysical properties investigation. *RSC Advances*, **2015**, 5, 80283-80296	3.7	29
26	Nitrogen-embedded buckybowl and its assembly with C60. *Nature Communications*, **2015**, 6, 8215	17.4	158
25	Rücktitelbild: A Facile and Versatile Approach to Double N-Heterohelicenes: Tandem Oxidative C?N Couplings of N-Heteroacenes via Cruciform Dimers (Angew. Chem. 18/2015). *Angewandte Chemie*, **2015**, 127, 5620-5620	3.6	
24	Reversible Control of Radius and Morphology of Fluorene-Azobenzene Copolymer Nanowires by Light Exposure. *Advanced Materials Interfaces*, **2015**, 2, 1400450	4.6	12
23	A Triphenylamine with Two Phenoxy Radicals Having Unusual Bonding Patterns and a Closed-Shell Electronic State. *Angewandte Chemie*, **2015**, 127, 8385-8388	3.6	5
22	A Particle with High Energy: A Versatile Tool for Nanomaterials. *Springer Briefs in Molecular Science*, **2015**, 19-26	0.6	1
21	Bio-compatible Nanomaterials. *Springer Briefs in Molecular Science*, **2015**, 27-39	0.6	
20	Stimuli-Responsive Nanomaterials. *Springer Briefs in Molecular Science*, **2015**, 41-52	0.6	

19	Single-Particle Triggered Polymerization. *Springer Briefs in Molecular Science*, **2015**, 69-74	0.6	
18	Charge carrier mobility in organic molecular materials probed by electromagnetic waves. *Physical Chemistry Chemical Physics*, **2014**, 16, 11093-113	3.6	108
17	Electronic structure of tetraaza[1.1.1.1]o,p,o,p-cyclophane and its oxidized states. *RSC Advances*, **2014**, 4, 39476-39483	3.7	9
16	A simple and rapid method for high-resolution visualization of single-ion tracks. *AIP Advances*, **2014**, 4, 117128	1.5	1
15	Fabrication of enzyme-degradable and size-controlled protein nanowires using single particle nano-fabrication technique. *Nature Communications*, **2014**, 5, 3718	17.4	34
14	Redox modulation of para-phenylenediamine by substituted nitronyl nitroxide groups and their spin states. *Journal of Physical Chemistry A*, **2013**, 117, 12858-67	2.8	14
13	Meta-para-linked octaaza[1(8)]cyclophanes and their polycationic states. *Journal of Organic Chemistry*, **2013**, 78, 2947-56	4.2	18
12	A Polymacrocyclic Oligoarylamine with a Pseudobeltane Motif: Towards a Cylindrical Multispin System. *Angewandte Chemie*, **2012**, 124, 12948-12953	3.6	10
11	A polymacrocyclic oligoarylamine with a pseudobeltane motif: towards a cylindrical multispin system. *Angewandte Chemie - International Edition*, **2012**, 51, 12776-81	16.4	22
10	Effects of carbon-metal-carbon linkages on the optical, photophysical, and electrochemical properties of phosphametallacycle-linked coplanar porphyrin dimers. *Journal of the American Chemical Society*, **2012**, 134, 1825-39	16.4	49
9	A Triphenylamine Double-Decker: From a Delocalized Radical Cation to a Diradical Dication with an Excited Triplet State. *Angewandte Chemie*, **2012**, 124, 9537-9540	3.6	12
8	A triphenylamine double-decker: from a delocalized radical cation to a diradical dication with an excited triplet state. *Angewandte Chemie - International Edition*, **2012**, 51, 9403-6	16.4	39
7	1,3,5-Benzenetriamine Double- and Triple-Decker Molecules. *Angewandte Chemie*, **2012**, 124, 8406-8410	3.6	5
6	1,3,5-Benzenetriamine double- and triple-decker molecules. *Angewandte Chemie - International Edition*, **2012**, 51, 8281-5	16.4	26
5	Fusion of Phosphole and 1,1?-Biacenaphthene: Phosphorus(V)-Containing Extended □Systems with High Electron Affinity and Electron Mobility. *Angewandte Chemie*, **2011**, 123, 8166-8170	3.6	39
4	Fusion of phosphole and 1,1'-biacenaphthene: phosphorus(V)-containing extended □systems with high electron affinity and electron mobility. *Angewandte Chemie - International Edition*, **2011**, 50, 8016-20	16.4	106
3	Spin-Delocalization in Charged States of para-Phenylene-Linked Dendritic Oligoarylamines□ *Chemistry of Materials*, **2011**, 23, 841-850	9.6	30
2	Polycationic States of Oligoanilines Based on Wurster's Blue. *European Journal of Organic Chemistry* , **2009**, 2009, 4441-4450	3.2	22

1	High-spin polycationic states of an alternate meta-para-linked oligoarylamine incorporating two macrocycles. *Chemical Communications*, **2009**, 4524-6	5.8	17