

# Shin-ichiro Kato

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/148242/publications.pdf>

Version: 2024-02-01

55  
papers

1,755  
citations

331538

21  
h-index

276775

41  
g-index

58  
all docs

58  
docs citations

58  
times ranked

2431  
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-planar push-pull chromophores. <i>Chemical Communications</i> , 2010, 46, 1994.	2.2	250
2	Novel 2,1,3-Benzothiadiazole-Based Red-Fluorescent Dyes with Enhanced Two-Photon Absorption Cross-Sections. <i>Chemistry - A European Journal</i> , 2006, 12, 2303-2317.	1.7	221
3	Strongly red-fluorescent novel donor-bridge-acceptor-bridge-donor (D $\pi$ A $\pi$ D) type 2,1,3-benzothiadiazoles with enhanced two-photon absorption cross-sections. <i>Chemical Communications</i> , 2004, , 2342-2343.	2.2	151
4	Origin of Intense Intramolecular Charge-Transfer Interactions in Nonplanar Push-Pull Chromophores. <i>Chemistry - A European Journal</i> , 2009, 15, 8687-8691.	1.7	106
5	Bicarbazoles: Systematic Structure-Property Investigations on a Series of Conjugated Carbazole Dimers. <i>Journal of Organic Chemistry</i> , 2012, 77, 9120-9133.	1.7	71
6	Series of Carbazole-Pyrimidine Conjugates: Syntheses and Electronic, Photophysical, and Electrochemical Properties. <i>Journal of Organic Chemistry</i> , 2015, 80, 9076-9090.	1.7	67
7	Visualization of Lipid Droplets in Living Cells and Fatty Livers of Mice Based on the Fluorescence of $\pi$ -Extended Coumarin Using Fluorescence Lifetime Imaging Microscopy. <i>Analytical Chemistry</i> , 2020, 92, 4996-5003.	3.2	63
8	Synthesis and Structural and Photoswitchable Properties of Novel Chiral Host Molecules: $\Delta$ Axis Chiral 2,2'-Dihydroxy-1,1'-binaphthyl-Appendedstiff-Stilbene1. <i>Journal of Organic Chemistry</i> , 2007, 72, 1073-1087.	1.7	54
9	Singlet oxygen generation by two-photon excitation of porphyrin derivatives having two-photon-absorbing benzothiadiazole chromophores. <i>Journal of Materials Chemistry</i> , 2007, 17, 3341.	6.7	53
10	Homoconjugated Push-Pull and Spiro Systems: Intramolecular Charge-Transfer Interactions and Third-Order Optical Nonlinearities. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6207-6211.	7.2	49
11	$\pi$ -Extended Thiadiazoles Fused with Thienopyrrole or Indole Moieties: Synthesis, Structures, and Properties. <i>Journal of Organic Chemistry</i> , 2012, 77, 7595-7606.	1.7	43
12	Monoradicals and Diradicals of Dibenzofluoreno[3,2- <i>b</i> ]fluorene Isomers: Mechanisms of Electronic Delocalization. <i>Journal of the American Chemical Society</i> , 2020, 142, 20444-20455.	6.6	43
13	Supramolecular Assemblies and Redox Modulation of Pyromellitic Diimide-Based Cyclophane via Noncovalent Interactions with Naphthol1. <i>Journal of Organic Chemistry</i> , 2006, 71, 4723-4733.	1.7	40
14	Synthesis and Electronic, Photophysical, and Electrochemical Properties of a Series of Thienylcarbazoles. <i>Journal of Organic Chemistry</i> , 2012, 77, 3222-3232.	1.7	39
15	A Series of $\pi$ -Extended Thiadiazoles Fused with Electron-Donating Heteroaromatic Moieties: Synthesis, Properties, and Polymorphic Crystals. <i>Chemistry - A European Journal</i> , 2015, 21, 3115-3128.	1.7	34
16	Benzo- and Naphthopentalenes: Syntheses, Structures, and Properties. <i>Journal of Organic Chemistry</i> , 2016, 81, 7700-7710.	1.7	33
17	Systematic Structure-Property Investigations on a Series of Alternating Carbazole-Thiophene Oligomers. <i>Journal of Organic Chemistry</i> , 2014, 79, 618-629.	1.7	30
18	Novel Pyromellitic Diimide-Based Macrocycle with a Linear $\pi$ -Electronic System and Bis(phenylethynyl)pyromellitic Diimide: Syntheses, Structures, Photophysical Properties, and Redox Characteristics. <i>Journal of Organic Chemistry</i> , 2008, 73, 4063-4075.	1.7	29

#	ARTICLE	IF	CITATIONS
19	Mechanochromic fluorescence based on a combination of acceptor and bulky donor moieties: tuning emission color and regulating emission change direction. <i>New Journal of Chemistry</i> , 2019, 43, 4998-5010.	1.4	28
20	Tetraalkoxyphenanthrene-Fused Dehydroannulenes: Synthesis, Self-Assembly, and Electronic, Optical, and Electrochemical Properties. <i>Chemistry - A European Journal</i> , 2013, 19, 12138-12151.	1.7	27
21	Blue Fluorescence from BF <sub>2</sub> Complexes of N,O-Benzamide Ligands: Synthesis, Structure, and Photophysical Properties. <i>Inorganic Chemistry</i> , 2017, 56, 12514-12519.	1.9	25
22	White-light emission from a pyrimidine-carbazole conjugate with tunable phosphorescence-fluorescence dual emission and multicolor emission switching. <i>Chemical Communications</i> , 2020, 56, 4051-4054.	2.2	22
23	One-pot synthesis of macrocyclic compounds possessing two cyclobutane rings by sequential inter- and intramolecular [2+2] photocycloaddition reactions. <i>Tetrahedron</i> , 2008, 64, 4108-4116.	1.0	21
24	Synthesis and Electronic, Optical, and Electrochemical Properties of a Series of Tetracyanobutadiene-Substituted Carbazoles. <i>Asian Journal of Organic Chemistry</i> , 2016, 5, 246-256.	1.3	21
25	Synthesis, Structural, Spectral, and Photoswitchable Properties of cis- and trans-2,2',2''-Tetramethyl-1,1''-indanylindanes. <i>Journal of Organic Chemistry</i> , 2007, 72, 6251-6254.	1.7	20
26	Synthesis, Structures, and Properties of Neutral and Radical Cationic S,C,C-Bridged Triphenylamines. <i>Organic Letters</i> , 2020, 22, 734-738.	2.4	19
27	Hexadecahydrodibenzo[20]-, Tetracosadehydrotribenzo[30]-, and Dotriacontadehydrotetrazobenzo[40]annulenes: Syntheses, Characterizations, Electronic Properties, and Self-Associations. <i>Journal of Organic Chemistry</i> , 2013, 78, 7658-7663.	1.7	17
28	Homokonjugierte Push-pull- und Spirosysteme: intramolekulare Charge-Transfer-Wechselwirkungen und nichtlineare optische Eigenschaften dritter Ordnung. <i>Angewandte Chemie</i> , 2010, 122, 6343-6347.	1.6	16
29	From Homoconjugated Push-Pull Chromophores to Donor-Acceptor-Substituted Spiro Systems by Thermal Rearrangement. <i>Chemistry - A European Journal</i> , 2014, 20, 1279-1286.	1.7	16
30	Open-shell singlet diradicaloid difluoreno[4,3-b:3'a'-d]furan and its radical cation and dianion. <i>Chemical Communications</i> , 2020, 56, 5881-5884.	2.2	14
31	Molecular tubes and capsules : Part III. The first X-ray crystallographic evidence of a cyclic aniline trimer via self-complementary N-H...N interactions: the aniline inclusion both inside and outside the macrocyclic cavity. <i>CrystEngComm</i> , 2008, 10, 483.	1.3	13
32	Exohedral functionalization of fullerenes and supramolecular chemistry. <i>Chemical Record</i> , 2011, 11, 77-94.	2.9	12
33	Effects of fluorine substitution in quinoidal oligothiophenes for use as organic semiconductors. <i>Journal of Materials Chemistry C</i> , 2020, 8, 3580-3588.	2.7	12
34	Photochemical synthesis and photophysical features of ethynylphenanthrenes studied by emission and transient absorption measurements. <i>Photochemical and Photobiological Sciences</i> , 2016, 15, 1586-1593.	1.6	10
35	Tetraalkoxyphenanthrene-Fused Hexadecadehydro[20]- and Tetracosadehydro[30]annulenes: Syntheses, Aromaticity/Antiaromaticity, Electronic Properties, and Self-Assembly. <i>Journal of Organic Chemistry</i> , 2017, 82, 8882-8896.	1.7	10
36	2,4,5,7,9,10-Hexaethynylpyrenes: Synthesis, Properties, and Self-Assembly. <i>Organic Letters</i> , 2018, 20, 7530-7534.	2.4	10

#	ARTICLE	IF	CITATIONS
37	Tetraalkoxyphenanthrene-Fused Thiadiazoloquinoxalines: Synthesis, Electronic, Optical, and Electrochemical Properties, and Self-Assembly. <i>Journal of Organic Chemistry</i> , 2017, 82, 3132-3143.	1.7	9
38	Push-pull fluorenones and benzazulenequinones: regioselective [4+2] and [2+2] cycloadditions of benzopentalenequinone derivative and alkynes bearing an aniline moiety. <i>Tetrahedron Letters</i> , 2016, 57, 4604-4607.	0.7	8
39	Trithiazolyl-1,3,5-triazines bearing decyloxybenzene moieties: synthesis, photophysical and electrochemical properties, and self-assembly behavior. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 3584-3595.	1.5	8
40	S,C,C- and O,C,C-Bridged Triarylaminines and Their Persistent Radical Cations. <i>Journal of Organic Chemistry</i> , 2021, 86, 12559-12568.	1.7	8
41	Synthesis of [60]fullerene-containing [2]rotaxanes using axle molecules bearing donor moiety. <i>Tetrahedron Letters</i> , 2011, 52, 623-625.	0.7	6
42	Synthesis, Self-association, and Anion Recognition of Conjugated Macrocycles Composed of Carbazole and Triazolium Moieties. <i>Chemistry Letters</i> , 2016, 45, 869-871.	0.7	6
43	Photochemical behaviors of a tethered 1,3-diketone derivative studied by transient absorption and time-resolved EPR measurements. <i>Chemical Physics Letters</i> , 2013, 555, 101-105.	1.2	4
44	Chemical transformations of push-pull fluorenones: push-pull dibenzodicyanofulvenes as well as fluorenone and dibenzodicyanofulvene-tetracyanobutadiene conjugates. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 4198-4209.	1.5	4
45	10-Mesityl-1,8-diphenylanthracene Dimer: Synthesis, Structure, and Properties. <i>Journal of Organic Chemistry</i> , 2018, 83, 3857-3863.	1.7	3
46	Arylene-hexaynylene and octaynylene macrocycles: extending the polyyne chains drives self-association by enhanced dispersion force. <i>Chemical Communications</i> , 2021, 57, 576-579.	2.2	3
47	Synthesis and Properties of Disiloxane-bridged Cyclophanes Bearing Heteroaromatics. <i>Chemistry Letters</i> , 2013, 42, 401-403.	0.7	2
48	Synthesis of isomeric coumarin-fluorene hybrids by photocyclization and the photophysical features. <i>Tetrahedron Letters</i> , 2018, 59, 1216-1219.	0.7	2
49	Electroless Copper Plating on Resins Using Nano-Dispersion of Polypyrrole. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2011, 62, 691.	0.1	1
50	Electroless Pattern Copper Plating on PET Film Using Nano-Dispersion of Polypyrrole. <i>Journal of Japan Institute of Electronics Packaging</i> , 2013, 16, 152-158.	0.0	1
51	Synthesis and Properties of $\pi$ -Conjugated Compounds Based on Carbazole. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2013, 71, 779-790.	0.0	1
52	Reductive methylation of triphthaloylbenzene: Isolation and characterization of hexamethoxy-trinaphthylene and two unexpected trinaphthylene derivatives. <i>Tetrahedron Letters</i> , 2020, 61, 152422.	0.7	0
53	Phenanthrylene-alkynylene macrocycles, phenanthrene-fused dicyclopenta[b,g]naphthalene, as well as relevant diradicaloids and antiaromatic compounds. <i>Advances in Physical Organic Chemistry</i> , 2021, 55, 41-66.	0.5	0
54	Augmented Self-Association by Electrostatic Forces in Thienopyrrole-Fused Thiadiazoles that Contain an Ester instead of an Ether Linker. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	1.7	0

#	ARTICLE	IF	CITATIONS
55	Medium Diradical Character, Small Hole and Electron Reorganization Energies and Ambipolar Transistors in Difluorenoheteroles. <i>Angewandte Chemie</i> , 0, , .	1.6	0