

# Soichiro Kyushin

## List of Publications by Year in descending order

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64  
papers

1,324  
citations

331670

21  
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377865

34  
g-index

69  
all docs

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docs citations

69  
times ranked

620  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and Electronic Properties of 9,10-Disilylanthracenes. <i>Organometallics</i> , 1996, 15, 1067-1070.	2.3	120
2	Octakis(1,1,2-trimethylpropyl)octasilacubane: Synthesis, Molecular Structure, and Unusual Properties. <i>Angewandte Chemie International Edition in English</i> , 1992, 31, 1354-1356.	4.4	109
3	Visible photoluminescence of silicon-based nanostructures: Porous silicon and small silicon-based clusters. <i>Applied Physics Letters</i> , 1992, 61, 2446-2448.	3.3	82
4	Cyclopentasilane-Fused Hexasilabenzvalene. <i>Journal of the American Chemical Society</i> , 2013, 135, 16340-16343.	13.7	64
5	An Organosilicon Cluster with an Octasilacuneane Core: A Missing Silicon Cage Motif. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2507-2510.	13.8	43
6	Yellow-green Fluorescence of 5,11- and 5,12-Bis(diisopropylsilyl)naphthalenes. <i>Chemistry Letters</i> , 2006, 35, 64-65.	1.3	40
7	Silicon-silicon single bond. <i>Nature Communications</i> , 2020, 11, 4009.	12.8	40
8	2,3,6,7,10,11-Hexakis(dimethylsilyl)triphenylene. <i>Chemistry Letters</i> , 2003, 32, 1048-1049.	1.3	39
9	Highly Stable Silyl Radicals (EtnMe <sub>3-n</sub> Si) <sub>3</sub> Si <sup>n</sup> (n= 1-3). <i>Organometallics</i> , 1997, 16, 5386-5388.	2.3	38
10	Ring-opening reaction of octakis(1,1,2-trimethylpropyl)octasilacubane Chlorination with PCl <sub>5</sub> leading to stereoisomeric 4,8-dichlorooctakis(1,1,2-trimethylpropyl)tetracyclo[3.3.0.0.2,7.0.3,6]octasilanes. <i>Organometallics</i> , 1994, 13, 4633-4640.	2.3	37
11	Syntheses, structures, and properties of ladder oligosilanes and ladder oligogermanes. <i>Journal of Organometallic Chemistry</i> , 2000, 611, 52-63.	1.8	37
12	2,3,4,5-Tetrakis(dimethylsilyl)thiophene: The First 2,3,4,5-Tetrasilylthiophene. <i>Organometallics</i> , 2006, 25, 2761-2765.	2.3	36
13	A ladder polysilane as a template for folding palladium nanosheets. <i>Nature Communications</i> , 2013, 4, 2014.	12.8	36
14	Octakis(1,1,2-trimethylpropyl)octasilacubane: Synthese, Struktur und ungewöhnliche Eigenschaften. <i>Angewandte Chemie</i> , 1992, 104, 1410-1412.	2.0	35
15	Tetrasilane-Bridged Bicyclo[4.1.0]heptasil-1(6)-ene. <i>Journal of the American Chemical Society</i> , 2014, 136, 12896-12898.	13.7	35
16	Luminescence properties of a cubic silicon cluster octasilacubane. <i>Physical Review B</i> , 1995, 51, 10666-10670.	3.2	34
17	Highly Planar Silane [(i-Pr) <sub>3</sub> Si] <sub>3</sub> SiH and Silyl Radical [(i-Pr) <sub>3</sub> Si] <sub>3</sub> Si <sup>•</sup> . <i>Chemistry Letters</i> , 1998, 27, 107-108.	1.3	31
18	Ladder Polysilanes. <i>Advances in Organometallic Chemistry</i> , 2003, 49, 133-166.	1.0	27

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19	Silylation Improves the Photodynamic Activity of Tetraphenylporphyrin Derivatives In Vitro and In Vivo. <i>Chemistry - A European Journal</i> , 2014, 20, 6054-6060.	3.3	26
20	Benzo[1,2:4,5]bis(1,1,2,2-tetraisopropylidisilacyclobutene). <i>Chemistry Letters</i> , 1998, 27, 471-472.	1.3	23
21	Synthesis, Structures, and Isomerization of 9,10-Di-tert-butyl-9,10-dihydro-9,10-disilaanthracenes. <i>Organometallics</i> , 1997, 16, 3800-3804.	2.3	22
22	Hyperchromic Effect of Silyl Groups on the UV-Visible Spectrum of 5,10,15,20-Tetraphenylporphyrin. <i>Chemistry Letters</i> , 2009, 38, 324-325.	1.3	21
23	(trans-1,2,2,3,4,4-Hexa-tert-butyl-1,3-cyclotetrasilanediy)- dipotassium: A Supramolecular Structure of the Silylpotassium-Benzene Complex. <i>Organometallics</i> , 2004, 23, 311-313.	2.3	19
24	Decasilahexahydrotriquinacene and Decasilaisotwistane: $\pi$ -Conjugation on a Bowl Surface. <i>Journal of the American Chemical Society</i> , 2017, 139, 3982-3985.	13.7	19
25	anti-1,2,5,6-Tetra-tert-butyl-3,3,4,4,7,7,8,8-octaisopropyltricyclo[4.2.0.0 <sup>2,5</sup> ]octasilane. <i>Chemistry Letters</i> , 1994, 23, 997-1000.	1.3	18
26	Hepta-tert-butylcyclotetrasilane: a highly crowded cyclotetrasilane. <i>Journal of Organometallic Chemistry</i> , 1995, 499, 235-240.	1.8	18
27	Synthesis and Structure of all-trans-1,2,3,4-Tetra-tert-butyl-1,2,3,4-tetrachlorocyclotetrasilane. <i>Organometallics</i> , 1994, 13, 795-801.	2.3	16
28	Construction of a Planar Tetrapalladium Cluster by the Reaction of Palladium(0) Bis(isocyanide) with Cyclic Tetrasilane. <i>Inorganics</i> , 2017, 5, 84.	2.7	13
29	Optical Properties of Porous Silicon and Small Silicon Clusters: Search for the Origin of Visible Photoluminescence of Porous Silicon. <i>Japanese Journal of Applied Physics</i> , 1993, 32, 408-410.	1.5	12
30	Observation of Highly Stable Radical Anions of Ladder Oligosilanes. <i>Chemistry Letters</i> , 2000, 29, 1420-1421.	1.3	12
31	Excited-state Property of 1-(4-Cyanophenyl)-2-(4-methoxyphenyl)-1,1,2,2-tetramethyldisilane. <i>Chemistry Letters</i> , 2007, 36, 1168-1169.	1.3	12
32	Studies on the Detailed Structure of Poly(dimethylsilylene). <i>Organometallics</i> , 2014, 33, 6298-6304.	2.3	12
33	The Radical Anion of Cyclopentasilane-Fused Hexasilabenzvalene. <i>Chemistry - A European Journal</i> , 2016, 22, 134-137.	3.3	12
34	1,2,9,10,17,18,25,26,27,28,35,36,37,38,39,40-Hexadecasila[28](1,2,4,5)-cyclophane and its open-chain homologs. <i>Chemical Communications</i> , 2001, , 2714-2715.	4.1	11
35	Hexa-, Hepta-, and Octacyclic Ladder Polysilanes. <i>Chemistry Letters</i> , 2006, 35, 182-183.	1.3	11
36	Selective Si-C Bond Cleavage on a Diorganosilicon Porphyrin Complex Bearing Different Axial Ligands. <i>Chemistry Letters</i> , 2009, 38, 362-363.	1.3	11

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37	Two Pentasilahousanes Fused Together. Chemistry - A European Journal, 2014, 20, 9263-9266.	3.3	10
38	Organosilicon Clusters. , 2017, , 69-144.		9
39	An Isolable Radical Anion of an Organosilicon Cluster Containing Only $\sigma$ Bonds. Angewandte Chemie - International Edition, 2015, 54, 7833-7836.	13.8	8
40	Stepwise Introduction of Different Substituents to $\alpha$ -Chloro- $\omega$ -hydrooligosilanes: Convenient Synthesis of Unsymmetrically Substituted Oligosilanes. Inorganics, 2018, 6, 99.	2.7	8
41	A Light-emitting Liquid Crystal Containing <i>p</i> -Terphenyl and an Alkylsilyl Group. Chemistry Letters, 2012, 41, 307-309.	1.3	7
42	Synthesis, Structures, and Electronic Properties of Dithienosiloles Bearing Bulky Aryl Groups: Conjugation between a $\pi$ -Electron System and $\sigma$ -Perpendicular Aryl Groups. Asian Journal of Organic Chemistry, 2017, 6, 737-745.	2.7	7
43	Ruthenium-catalyzed alkoxylation of a hydrodisilane without Si-Si bond cleavage. Tetrahedron Letters, 2017, 58, 9-12.	1.4	7
44	Ruthenium-catalyzed hydrosilylation of alkynes by using hydrooligosilanes without Si-Si bond cleavage. Tetrahedron Letters, 2020, 61, 152274.	1.4	7
45	Selective catalytic monoreduction of dichlorooligosilanes with Grignard reagents. Tetrahedron Letters, 2013, 54, 6940-6943.	1.4	6
46	Synthesis, Structure, and Electronic Properties of Benzohexasilabicyclo[2.2.2]octene. Chemistry Letters, 2013, 42, 250-252.	1.3	6
47	Synthesis and Properties of 5,10,15,20-Tetrakis(4-trimethylsilylphenyl)chlorin. Heteroatom Chemistry, 2014, 25, 514-517.	0.7	6
48	An Isolable Radical Anion of an Organosilicon Cluster Containing Only $\sigma$ Bonds. Angewandte Chemie, 2015, 127, 7944-7947.	2.0	6
49	Effect of Ring Sizes of Cyclooligosilanes on Construction of Organosilicon Clusters. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 2014, 72, 1290-1297.	0.1	6
50	Electron spin resonance study on radicals stabilized by the $\sigma$ -captodative effect. Journal of Physical Organic Chemistry, 1988, 1, 197-207.	1.9	5
51	Synthesis of Silyl-substituted Anthracene Derivatives via Birch-type Silylation. Chemistry Letters, 2013, 42, 112-114.	1.3	5
52	A Six-coordinate Silicon Dihydride Embedded in a Porphyrin: Enhanced Hydride Donor Properties and the Catalyst-free Hydrosilylation of CO <sub>2</sub> . Chemistry - A European Journal, 2020, 26, 15811-15815.	3.3	5
53	Synthesis and structures of lithium alkoxytris(dimethylphenylsilyl)borates. Dalton Transactions, 2017, 46, 8705-8708.	3.3	4
54	Reply to: $\sigma$ -A double bond with weak $\sigma$ - and strong $\pi$ -interactions is still a double bond. Nature Communications, 2021, 12, 4036.	12.8	4

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55	Clusterization Effect on the $^{29}\text{Si}$ NMR Signal of a Spiro Silicon Atom. <i>Organometallics</i> , 2021, 40, 2852-2858.	2.3	3
56	Ruthenium-catalyzed hydrosilylation of alkynes with preservation of the Si-Si bond of hydrooligosilanes: Regio- and stereoselective synthesis of (Z)-alkenyloligosilanes and carbonyl-functionalized alkenyldisilanes. <i>Journal of Organometallic Chemistry</i> , 2022, 961, 122234.	1.8	3
57	Improvement of the fluorescence quantum yield of triphenylene by the rotational effect of 4-(trimethylsilyl)phenyl groups. <i>Mendeleev Communications</i> , 2022, 32, 87-90.	1.6	3
58	Optical Properties of Silicon-Based Polymers with Different Backbone Structures. <i>ACS Symposium Series</i> , 1995, , 425-432.	0.5	2
59	1,1,3,3-Tetra- <i>tert</i> -butyl-2,2-diisopropyl-4,4-diphenylcyclotetrasilane. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o149-o149.	0.2	2
60	Cooperation of $\pi$ - $\pi$ and $\pi$ - $\pi^*$ Conjugation in the UV/Vis and Fluorescence Spectra of 9,10-Disilylanthracene. <i>Molecules</i> , 2022, 27, 2241.	3.8	2
61	Oxygen-Free Poly(dimethylsilylene). <i>Organometallics</i> , 2020, 39, 4651-4656.	2.3	1
62	Synthesis, structures, and reactivity of 9,9-dialkoxy- $\sigma$ -silafluorenes. <i>Heteroatom Chemistry</i> , 2018, 29, .	0.7	0
63	Effects of Perpendicular Aryl Groups on Electronic Properties and Complexation of 4,4-Dihydrodithienosilole. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 1039-1046.	3.2	0
64	Transition Metal-Catalyzed Selective Functionalization of Oligosilanes without Si-Si Bond Cleavage. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2022, 80, 574-582.	0.1	0