

# Yuji Kubo

## List of Publications by Year in descending order

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64  
papers

3,531  
citations

201575

27  
h-index

133188

59  
g-index

64  
all docs

64  
docs citations

64  
times ranked

4407  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploiting the Reversible Covalent Bonding of Boronic Acids: Recognition, Sensing, and Assembly. <i>Accounts of Chemical Research</i> , 2013, 46, 312-326.	7.6	559
2	Boronic acid building blocks: tools for self assembly. <i>Chemical Communications</i> , 2011, 47, 1124-1150.	2.2	466
3	Colorimetric chiral recognition by a molecular sensor. <i>Nature</i> , 1996, 382, 522-524.	13.7	451
4	Boronic acid building blocks: tools for sensing and separation. <i>Chemical Communications</i> , 2011, 47, 1106.	2.2	361
5	Hierarchical supramolecules and organization using boronic acid building blocks. <i>Chemical Communications</i> , 2015, 51, 2005-2020.	2.2	131
6	Fluorescent alizarin $\pi$ -phenylboronic acid ensembles: design of self-organized molecular sensors for metal ions and anions. <i>Journal of Materials Chemistry</i> , 2005, 15, 2889.	6.7	105
7	Chirality-Transfer Control Using a Heterotopic Zinc(II) Porphyrin Dimer. <i>Journal of the American Chemical Society</i> , 2001, 123, 12700-12701.	6.6	92
8	Detection of anions using a fluorescent alizarin $\pi$ -phenylboronic acid ensemble. <i>Chemical Communications</i> , 2005, , 2846.	2.2	79
9	Near-Infrared Absorbing Boron-dibenzopyrromethenes that Serve As Light-Harvesting Sensitizers for Polymeric Solar Cells. <i>Organic Letters</i> , 2011, 13, 4574-4577.	2.4	79
10	Boronate self-assemblies with embedded Au nanoparticles: preparation, characterization and their catalytic activities for the reduction of nitroaromatic compounds. <i>Journal of Materials Chemistry</i> , 2012, 22, 24124.	6.7	67
11	Isothiouonium-derived simple fluorescent chemosensors of anions. <i>Perkin Transactions II RSC</i> , 2002, , 1455.	1.1	65
12	Boron $\pi$ -dibenzopyrromethene-based organic dyes for application in dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5204-5211.	5.2	62
13	Synthesis of a new type of dibenzopyrromethene $\pi$ -boron complex with near-infrared absorption property. <i>Tetrahedron Letters</i> , 2010, 51, 1600-1602.	0.7	56
14	A New Family of Indoaniline-Derived Calix[4]arenes: Synthesis and Optical Recognition Properties as a Chromogenic Receptor. <i>Journal of Organic Chemistry</i> , 1996, 61, 3758-3765.	1.7	52
15	Visible-to-Near-Infrared Light-Driven Photocatalytic Hydrogen Production Using Dibenzo-BODIPY and Phenothiazine Conjugate as Organic Photosensitizer. <i>ACS Applied Energy Materials</i> , 2019, 2, 448-458.	2.5	52
16	2,3-Naphtho-Fused BODIPYs as Near-Infrared Absorbing Dyes. <i>Journal of Organic Chemistry</i> , 2016, 81, 1310-1315.	1.7	48
17	A boronate hydrogel film containing organized two-component dyes as a multicolor fluorescent sensor for heavy metal ions in water. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15846-15852.	5.2	44
18	Thermo-responsive white-light emission based on tetraphenylethylene- and rhodamine B-containing boronate nanoparticles. <i>Chemical Communications</i> , 2015, 51, 118-121.	2.2	44

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19	Boronate microparticle-supported nano-palladium and nano-gold catalysts for chemoselective hydrogenation of cinnamaldehyde in environmentally preferable solvents. <i>Green Chemistry</i> , 2014, 16, 3230-3236.	4.6	43
20	Experimental and theoretical study of near-infrared absorbing naphthoquinone methide dyes with a nonplanar geometry. <i>Journal of the American Chemical Society</i> , 1991, 113, 2868-2873.	6.6	42
21	Quantitative analysis of modeled ATP hydrolysis in water by a colorimetric sensor array. <i>Chemical Communications</i> , 2016, 52, 7838-7841.	2.2	40
22	Dansyl-containing boronate hydrogel film as fluorescent chemosensor of copper ions in water. <i>RSC Advances</i> , 2012, 2, 6555.	1.7	37
23	White-light emitting boronate microparticles for potential use as reusable bright chemosensors in water. <i>Chemical Communications</i> , 2013, 49, 9869.	2.2	36
24	Accurate chiral pattern recognition for amines from just a single chemosensor. <i>Chemical Science</i> , 2020, 11, 3790-3796.	3.7	34
25	White-light emissive materials based on dynamic polymerization in supramolecular chemistry. <i>Polymer</i> , 2017, 128, 257-275.	1.8	32
26	Effective cation-assisted chirality induction using a dibenzo-diaza-30-crown-10 with bis(zinc(ii)) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46 <a href="http://www.rsc.org/suppdata/cc/b4/b403684k/">http://www.rsc.org/suppdata/cc/b4/b403684k/</a> . <i>Chemical Communications</i> , 2004, , 1394.	2.2	29
27	Selenium-containing BODIPY dyes as photosensitizers for triplet- $\rightarrow$ triplet annihilation upconversion. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6208-6215.	2.7	29
28	A near-infrared organic photosensitizer for use in dye-sensitized photoelectrochemical water splitting. <i>Chemical Communications</i> , 2017, 53, 6784-6787.	2.2	28
29	Fabrication of Soft Submicrospheres by Sequential Boronate Esterification and Their Dynamic Behavior. <i>ChemPlusChem</i> , 2012, 77, 201-209.	1.3	26
30	Synthesis of a dibenzo-BODIPY-incorporating phenothiazine dye as a panchromatic sensitizer for dye-sensitized solar cells. <i>New Journal of Chemistry</i> , 2017, 41, 10367-10375.	1.4	26
31	Resorcin[4]arene cavitand with 1,3,2-benzodiazaborolyl walls as a fluorescence receptor for ammonium cations. <i>Chemical Communications</i> , 2010, 46, 3604.	2.2	24
32	Fluorescent chirality recognition by simple boronate ensembles with aggregation-induced emission capability. <i>Chemical Communications</i> , 2017, 53, 10144-10147.	2.2	23
33	Naked-Eye Detectable Chiral Recognition Using a Chromogenic Receptor.. <i>Analytical Sciences</i> , 1998, 14, 183-189.	0.8	22
34	$\pi$ -Expanded dibenzo-BODIPY with near-infrared light absorption: Investigation of photosensitizing properties of NiO-based p-type dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2019, 170, 107613.	2.0	19
35	Factors influencing the photoelectrochemical device performance sensitized by ruthenium polypyridyl dyes. <i>Dalton Transactions</i> , 2019, 48, 688-695.	1.6	18
36	Surface modification of a polyvinyl alcohol sponge with functionalized boronic acids to develop porous materials for multicolor emission, chemical sensing and 3D cell culture. <i>Chemical Communications</i> , 2017, 53, 3563-3566.	2.2	17

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37	Room-Temperature Phosphorescence of Thiophene Boronate Ester-Cross Linked Polyvinyl Alcohol; A Triplet-to-Singlet FRET-Induced Multi-Color Afterglow Luminescence with Sulforhodamine B. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 1204-1209.	2.0	15
38	Selective anion-induced helical aggregation of chiral amphiphilic polythiophenes with isothiuronium-appended pendants. <i>Supramolecular Chemistry</i> , 2011, 23, 13-18.	1.5	14
39	Synthesis of a boronated boronate dibenzopyrromethene dye enabling the visual detection of H <sub>2</sub> O <sub>2</sub> vapor. <i>RSC Advances</i> , 2014, 4, 37973-37978.	1.7	14
40	Room-Temperature Phosphorescence-Active Boronate Particles: Characterization and Ratiometric Afterglow-Sensing Behavior by Surface Grafting of Rhodamine B. <i>Chemistry - an Asian Journal</i> , 2020, 15, 787-795.	1.7	14
41	A Fluorescence Sensor Array Based on Zinc(II)-Carboxyamidoquinolines: Toward Quantitative Detection of ATP**. <i>Chemistry - A European Journal</i> , 2021, 27, 11344-11351.	1.7	13
42	Molecular Manipulation Based on Allosteric Crown-Appended Units and Related Systems. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 1489-1509.	0.9	12
43	A Zn <sup>2+</sup> -coordinated boronate dipyrin as a chemodosimeter toward hydrogen peroxide. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3684-3691.	2.7	10
44	Boronate sol-gel method for one-step fabrication of polyvinyl alcohol hydrogel coatings by simple cast- and dip-coating techniques. <i>RSC Advances</i> , 2020, 10, 86-94.	1.7	10
45	Water-dispersible boronate nanoparticles as support materials for noble metals in the hydrogenation of levulinic acid to $\beta$ -valerolactone. <i>Supramolecular Chemistry</i> , 2016, 28, 91-97.	1.5	9
46	A robust ruthenium complex with nonyl-substituted bpy ligand for dye-sensitized photoelectrochemical cell application. <i>Inorganica Chimica Acta</i> , 2018, 471, 467-474.	1.2	9
47	A benzofuran[ <i>b</i> ]-fused BODIPY as an efficient sensitizer for photocatalytic hydrogen production. <i>Sustainable Energy and Fuels</i> , 2021, 5, 3676-3686.	2.5	9
48	Near-infrared-absorbing Photodetectors Based on Naphtho[1,3,2]oxazaborinine-type Dibenzo-BODIPY Dyes. <i>Chemistry Letters</i> , 2018, 47, 300-303.	0.7	8
49	Boronic acids as molecular inks for surface functionalization of polyvinyl alcohol substrates. <i>New Journal of Chemistry</i> , 2018, 42, 7392-7398.	1.4	8
50	Formation of emissive nanoparticles from tetraphenylethylene-containing boronate macrocycles: preparation, characterization and functionalization. <i>Journal of Materials Chemistry C</i> , 2018, 6, 11052-11062.	2.7	8
51	Thieno[1,3,2]oxazaborinine-containing aza-BODIPYs with near infrared absorption bands: synthesis, photophysical properties, and device applications. <i>New Journal of Chemistry</i> , 2020, 44, 29-37.	1.4	8
52	Chemical stimulus-responsive tricyanopyrroline-based ICT chromophore as a potential environment-sensitive probe. <i>Dyes and Pigments</i> , 2021, 185, 108927.	2.0	8
53	Synthesis and triplet sensitization of bis(arylselanyl)BOPHYs; potential application in triplet-triplet annihilation upconversion. <i>New Journal of Chemistry</i> , 2021, 45, 6091-6099.	1.4	4
54	Chromogenic Receptor: from Cation Recognition to Chiral Recognition.. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 1997, 55, 506-516.	0.0	4

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55	Near-Infrared Room-Temperature Phosphorescence in Arylselanyl BODIPY-Doped Materials. ChemPhotoChem, 2022, 6, .	1.5	4
56	Chirality induction in a dibenzo-30-crown-10 congener promoted by an ion-pair coordinated self-assembly. New Journal of Chemistry, 2003, 27, 221-223.	1.4	3
57	Asymmetrical benzo[a]-fused N2O2-boron-chelated BODIPYs as red to near-infrared absorbing chromophores: synthesis, characteristics and device applications for opto-electronics. Materials Advances, 2021, 2, 1059-1071.	2.6	3
58	Chiral recognition coupled with chemometrics using boronate ensembles containing D-tyrosine-A cyanostilbenes. Chemical Communications, 2021, 57, 12952-12955.	2.2	2
59	Detection of phosphates in water utilizing a Eu <sup>3+</sup> -mediated relay mechanism. New Journal of Chemistry, 2022, 46, 1839-1844.	1.4	2
60	Metal Ionically-controlled Optical Signaling Based on a Chromoionophore-derived Calix[4]crown. Supramolecular Chemistry, 2002, 14, 171-177.	1.5	1
61	A ratiometric afterglow response of aluminium ions in methanol-water. Chemistry - an Asian Journal, 0, , .	1.7	1
62	Metal Ionically-controlled Optical Signaling Based on a Chromoionophore-derived Calix[4]crown. Supramolecular Chemistry, 2002, 14, 461-467.	1.5	0
63	White-Light Emissive Materials Based on Supramolecular Approach. , 2021, , 409-443.		0
64	Cover Feature: Near-Infrared Room-Temperature Phosphorescence in Arylselanyl BODIPY-Doped Materials (ChemPhotoChem 6/2022). ChemPhotoChem, 2022, 6, .	1.5	0