

Ryota Kabe

List of Publications by Year in descending order

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36
papers

3,211
citations

304743

22
h-index

377865

34
g-index

37
all docs

37
docs citations

37
times ranked

3143
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic long persistent luminescence. <i>Nature</i> , 2017, 550, 384-387.	27.8	788
2	Afterglow Organic Light-Emitting Diode. <i>Advanced Materials</i> , 2016, 28, 655-660.	21.0	417
3	A Dinuclear Ni(π -H)Ru Complex Derived from H ₂ . <i>Science</i> , 2007, 316, 585-587.	12.6	252
4	Long-Lived Room-Temperature Phosphorescence of Coronene in Zeolitic Imidazolate Framework ZIF-8. <i>Advanced Optical Materials</i> , 2016, 4, 1015-1021.	7.3	209
5	Mechanistic investigation of CO ₂ hydrogenation by Ru(II) and Ir(III) aqua complexes under acidic conditions: two catalytic systems differing in the nature of the rate determining step. <i>Dalton Transactions</i> , 2006, , 4657.	3.3	194
6	Effect of Molecular Morphology on Amplified Spontaneous Emission of Bis-Styrylbenzene Derivatives. <i>Advanced Materials</i> , 2009, 21, 4034-4038.	21.0	138
7	Organic Long-Persistent Luminescence from a Flexible and Transparent Doped Polymer. <i>Advanced Materials</i> , 2018, 30, e1803713.	21.0	128
8	Influence of energy gap between charge-transfer and locally excited states on organic long persistence luminescence. <i>Nature Communications</i> , 2020, 11, 191.	12.8	115
9	Confinement of Long-Lived Triplet Excitons in Organic Semiconducting Host-Guest Systems. <i>Advanced Functional Materials</i> , 2017, 27, 1703902.	14.9	107
10	Increased vis-to-UV upconversion performance by energy level matching between a TADF donor and high triplet energy acceptors. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6447-6451.	5.5	100
11	Wide-Range Tuning and Enhancement of Organic Long-Persistent Luminescence Using Emitter Dopants. <i>Advanced Materials</i> , 2018, 30, e1800365.	21.0	99
12	Organic long-persistent luminescence stimulated by visible light in p-type systems based on organic photoredox catalyst dopants. <i>Nature Materials</i> , 2022, 21, 338-344.	27.5	91
13	Organic Long-Persistent Luminescence from a Thermally Activated Delayed Fluorescence Compound. <i>Advanced Materials</i> , 2020, 32, e2003911.	21.0	86
14	Many Exciplex Systems Exhibit Organic Long-Persistent Luminescence. <i>Advanced Functional Materials</i> , 2020, 30, 2000795.	14.9	64
15	Blue-Light-Emitting Ambipolar Field-Effect Transistors Using an Organic Single Crystal of 1,4-Bis(4-methylstyryl)benzene. <i>Applied Physics Express</i> , 0, 1, 091801.	2.4	60
16	Long-Persistent Luminescence from an Exciplex-Based Organic Light-Emitting Diode. <i>Advanced Materials</i> , 2021, 33, e2008844.	21.0	45
17	Homogeneous dispersion of organic p-dopants in an organic semiconductor as an origin of high charge generation efficiency. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	40
18	A near-infrared organic light-emitting diode based on an Yb(III) complex synthesized by vacuum co-deposition. <i>Chemical Communications</i> , 2017, 53, 5457-5460.	4.1	31

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19	Thermally activated delayed fluorescence of a Zr-based metal-organic framework. <i>Chemical Communications</i> , 2018, 54, 631-634.	4.1	30
20	Formation and Characterization of Co(III)-Semiquinone Phenoxyl Radical Species. <i>Inorganic Chemistry</i> , 2007, 46, 6083-6090.	4.0	28
21	A [NiFe]hydrogenase model that catalyses the release of hydrogen from formic acid. <i>Chemical Communications</i> , 2014, 50, 13385-13387.	4.1	27
22	Enhanced phosphorescence in dibenzophosphole chalcogenide mixed crystal. <i>CrystEngComm</i> , 2011, 13, 5423.	2.6	25
23	Model Study of CO Inhibition of [NiFe]hydrogenase. <i>Inorganic Chemistry</i> , 2011, 50, 8902-8906.	4.0	22
24	Reversible control of triplet dynamics in metal-organic framework-entrapped organic emitters via external gases. <i>Communications Chemistry</i> , 2018, 1, .	4.5	20
25	Fabrication-method Independence of Organic Long-persistent Luminescence Performance. <i>Chemistry Letters</i> , 2019, 48, 270-273.	1.3	19
26	Exfoliation of Graphite into Graphene in Polar Solvents Mediated by Amphiphilic Hexa-peri-hexabenzocoronene. <i>Chemistry - an Asian Journal</i> , 2014, 9, 3125-3129.	3.3	14
27	Blue Thermally Activated Delayed Fluorescence Molecule Having Acridane and Cyanobenzene Units. <i>Chemistry Letters</i> , 2016, 45, 1463-1466.	1.3	14
28	Excited states engineering enables efficient near-infrared lasing in nanographenes. <i>Materials Horizons</i> , 2022, 9, 393-402.	12.2	12
29	Thermally activated processes in an organic long-persistent luminescence system. <i>Nanoscale</i> , 2021, 13, 8412-8417.	5.6	11
30	Orange Organic Long-persistent Luminescence from an Electron Donor/Acceptor Binary System. <i>Chemistry Letters</i> , 2020, 49, 203-206.	1.3	9
31	Organic photostimulated luminescence associated with persistent spin-correlated radical pairs. <i>Communications Materials</i> , 2021, 2, .	6.9	6
32	Long-Persistent Luminescence: Wide-Range Tuning and Enhancement of Organic Long-Persistent Luminescence Using Emitter Dopants (<i>Adv. Mater.</i> 38/2018). <i>Advanced Materials</i> , 2018, 30, 1870286.	21.0	5
33	Organic Long-Persistent Luminescence: Organic Long-Persistent Luminescence from a Flexible and Transparent Doped Polymer (<i>Adv. Mater.</i> 45/2018). <i>Advanced Materials</i> , 2018, 30, 1870341.	21.0	2
34	Organic Long-Persistent Luminescence: Many Exciplex Systems Exhibit Organic Long-Persistent Luminescence (<i>Adv. Funct. Mater.</i> 22/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070138.	14.9	2
35	Graphene-Pyrene Nanocomposites Obtained Using Azide Chemistry. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 1290-1295.	0.9	1
36	Electroluminescence: Confinement of Long-Lived Triplet Excitons in Organic Semiconducting Host-Guest Systems (<i>Adv. Funct. Mater.</i> 40/2017). <i>Advanced Functional Materials</i> , 2017, 27, .	14.9	0