

Shinsuke Ishihara

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,200
citations

218677

26
h-index

223800

46
g-index

57
all docs

57
docs citations

57
times ranked

3173
citing authors

#	ARTICLE	IF	CITATIONS
1	Analyte Interactions with Oxoporphyrinogen Derivatives: Computational Aspects. <i>Current Organic Chemistry</i> , 2022, 26, 580-595.	1.6	1
2	De novo creation of a naked eye-detectable fluorescent molecule based on quantum chemical computation and machine learning. <i>Science Advances</i> , 2022, 8, eabj3906.	10.3	14
3	Discrimination of Methanol from Ethanol in Gasoline Using a Membrane-type Surface Stress Sensor Coated with Copper(I) Complex. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 648-654.	3.2	24
4	Disposable Nitric Oxide Generator Based on a Structurally Deformed Nitrite-Type Layered Double Hydroxide. <i>Inorganic Chemistry</i> , 2021, 60, 16008-16015.	4.0	1
5	Estimation of Enantiomeric Excess Based on Rapid Host-Guest Exchange. <i>Chemosensors</i> , 2021, 9, 259.	3.6	3
6	<i>meso</i> -Tetraphenylporphine as a prochiral solvating agent (pro-CSA): A physicochemical study. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020, 24, 320-329.	0.8	4
7	Enantiomeric Excess Dependent Splitting of NMR Signal through Dynamic Chiral Inversion and Coligand Exchange in a Coordination Complex. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8164-8169.	4.6	4
8	Cascade Reaction-Based Chemiresistive Array for Ethylene Sensing. <i>ACS Sensors</i> , 2020, 5, 1405-1410.	7.8	17
9	Pushing property limits in materials discovery via boundless objective-free exploration. <i>Chemical Science</i> , 2020, 11, 5959-5968.	7.4	20
10	Controlled release of H ₂ S and NO gases through CO ₂ -stimulated anion exchange. <i>Nature Communications</i> , 2020, 11, 453.	12.8	8
11	Data integration for accelerated materials design via preference learning. <i>New Journal of Physics</i> , 2020, 22, 055001.	2.9	6
12	Why Do Carbonate Anions Have Extremely High Stability in the Interlayer Space of Layered Double Hydroxides? Case Study of Layered Double Hydroxide Consisting of Mg and Al (Mg/Al = 2). <i>Inorganic Chemistry</i> , 2019, 58, 10928-10935.	4.0	38
13	Soft chromophore featured liquid porphyrins and their utilization toward liquid electret applications. <i>Nature Communications</i> , 2019, 10, 4210.	12.8	32
14	Luminescence tuning with excellent colour homogeneity and steadiness using fluorescent molecular liquids. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2577-2582.	5.5	22
15	Increasing the complexity of oxoporphyrinogen colorimetric sensing chromophores: N-alkylation and β -substitution. <i>Journal of Porphyrins and Phthalocyanines</i> , 2019, 23, 1184-1194.	0.8	4
16	Structural Modulation of Chromic Response: Effects of Binding-Site Blocking in a Conjugated Calix[4]pyrrole Chromophore. <i>ChemistryOpen</i> , 2018, 7, 323-335.	1.9	14
17	NMR Spectroscopic Determination of Enantiomeric Excess Using Small Prochiral Molecules. <i>Journal of Physical Chemistry B</i> , 2018, 122, 5114-5120.	2.6	10
18	The effect of regioisomerism on the photophysical properties of alkylated-naphthalene liquids. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 2970-2975.	2.8	28

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19	Supercooling of functional alkyl- π molecular liquids. <i>Chemical Science</i> , 2018, 9, 6774-6778.	7.4	56
20	Hunting for Organic Molecules with Artificial Intelligence: Molecules Optimized for Desired Excitation Energies. <i>ACS Central Science</i> , 2018, 4, 1126-1133.	11.3	91
21	Metallic versus Semiconducting SWCNT Chemiresistors: A Case for Separated SWCNTs Wrapped by a Metallosupramolecular Polymer. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 38062-38067.	8.0	39
22	Amperometric Detection of Sub-ppm Formaldehyde Using Single-Walled Carbon Nanotubes and Hydroxylamines: A Referenced Chemiresistive System. <i>ACS Sensors</i> , 2017, 2, 1405-1409.	7.8	37
23	Colorimetric Sensor for Facile Identification of Methanol-Containing Gasoline. , 2017, , .		1
24	Fluorescent mesomorphic pyrazinacenes. <i>Journal of Materials Chemistry C</i> , 2016, 4, 11514-11523.	5.5	11
25	Ultratrace Detection of Toxic Chemicals: Triggered Disassembly of Supramolecular Nanotube Wrappers. <i>Journal of the American Chemical Society</i> , 2016, 138, 8221-8227.	13.7	64
26	Atomic architectonics, nanoarchitectonics and microarchitectonics for strategies to make junk materials work as precious catalysts. <i>CrystEngComm</i> , 2016, 18, 6770-6778.	2.6	32
27	Chiral Sensing by Nonchiral Tetrapyrroles. <i>Accounts of Chemical Research</i> , 2015, 48, 521-529.	15.6	93
28	MOF-derived Nanoporous Carbon as Intracellular Drug Delivery Carriers. <i>Chemistry Letters</i> , 2014, 43, 717-719.	1.3	165
29	Dynamic Processes in Prochiral Solvating Agents (pro-CSAs) Studied by NMR Spectroscopy. <i>Symmetry</i> , 2014, 6, 345-367.	2.2	12
30	Thermal Conversion of Hollow Prussian Blue Nanoparticles into Nanoporous Iron Oxides with Crystallized Hematite Phase. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 1137-1141.	2.0	27
31	Bridging the Difference to the Billionth-of-a-Meter Length Scale: How to Operate Nanoscopic Machines and Nanomaterials by Using Macroscopic Actions. <i>Chemistry of Materials</i> , 2014, 26, 519-532.	6.7	81
32	NbPt ₃ Intermetallic Nanoparticles: Highly Stable and CO-tolerant Electrocatalyst for Fuel Oxidation. <i>ChemElectroChem</i> , 2014, 1, 728-732.	3.4	31
33	Rapid Exchange between Atmospheric CO ₂ and Carbonate Anion Intercalated within Magnesium Rich Layered Double Hydroxide. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 18352-18359.	8.0	68
34	Chiral Guest Binding as a Probe of Macrocycle Dynamics and Tautomerism in a Conjugated Tetrapyrrole. <i>Journal of the American Chemical Society</i> , 2014, 136, 2112-2118.	13.7	41
35	Porphyrim-based sensor nanoarchitectonics in diverse physical detection modes. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 9713.	2.8	319
36	Dynamic Breathing of CO ₂ by Hydrotalcite. <i>Journal of the American Chemical Society</i> , 2013, 135, 18040-18043.	13.7	77

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37	Conformation induced discrimination between picric acid and nitro derivatives/anions with a Cu-pyrene array: the first decision making photonic device. RSC Advances, 2013, 3, 21365.	3.6	7
38	NMR spectroscopic detection of chirality and enantiopurity in referenced systems without formation of diastereomers. Nature Communications, 2013, 4, 2188.	12.8	103
39	Multinuclear solid-state NMR spectroscopy of a paramagnetic layered double hydroxide. RSC Advances, 2013, 3, 19857.	3.6	15
40	Synthesis of mesoporous antimony-doped tin oxide (ATO) thin films and investigation of their electrical conductivity. CrystEngComm, 2013, 15, 4404.	2.6	16
41	Hydrogen-bond-driven "homogeneous intercalation"™ for rapid, reversible, and ultra-precise actuation of layered clay nanosheets. Chemical Communications, 2013, 49, 3631.	4.1	23
42	Naked-Eye Discrimination of Methanol from Ethanol Using Composite Film of Oxoporphyrinogen and Layered Double Hydroxide. ACS Applied Materials & Interfaces, 2013, 5, 5927-5930.	8.0	50
43	Colorimetric visualization of acid–base equilibria in non-polar solvent. Chemical Communications, 2013, 49, 6870.	4.1	26
44	Rational Design and Synthesis of Cyano-Bridged Coordination Polymers with Precise Control of Particle Size from 20 to 500 nm. European Journal of Inorganic Chemistry, 2013, 2013, 3141-3145.	2.0	33
45	Materials nanoarchitectonics for environmental remediation and sensing. Journal of Materials Chemistry, 2012, 22, 2369-2377.	6.7	156
46	Colorimetric detection of trace water in tetrahydrofuran using N,N'-substituted oxoporphyrinogens. Chemical Communications, 2012, 48, 3933.	4.1	45
47	Paradigm shift from self-assembly to commanded assembly of functional materials: recent examples in porphyrin/fullerene supramolecular systems. Science and Technology of Advanced Materials, 2012, 13, 053001.	6.1	63
48	Novel block copolymer templates for tuning mesopore connectivity in cage-type mesoporous silica films. Journal of Materials Chemistry, 2012, 22, 20008.	6.7	26
49	Reversible Photoredox Switching of Porphyrin-Bridged Bis-2,6-di- <i>tert</i> -butylphenols. Journal of the American Chemical Society, 2011, 133, 16119-16126.	13.7	35
50	Chirality Sensing by Nonchiral Porphines. Chemistry - A European Journal, 2011, 17, 3558-3561.	3.3	32
51	Nuclear Magnetic Resonance Signaling of Molecular Chiral Information Using an Achiral Reagent. Journal of the American Chemical Society, 2009, 131, 9494-9495.	13.7	74