Tomohiro Fukushima

List of Publications by Year
in descending order

33	2,840	304368 22	414034 32
papers	citations	h-index	g-index

36	36	36	4328
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electrochemical oxygen reduction catalysed by Ni3(hexaiminotriphenylene)2. Nature Communications, 2016, 7, 10942.	5.8	577
2	Guest-to-Host Transmission of Structural Changes for Stimuli-Responsive Adsorption Property. Journal of the American Chemical Society, 2012, 134, 4501-4504.	6.6	326
3	Solid Solutions of Soft Porous Coordination Polymers: Fineâ€Tuning of Gas Adsorption Properties. Angewandte Chemie - International Edition, 2010, 49, 4820-4824.	7.2	291
4	High CO₂/CH₄ and C2 Hydrocarbons/CH₄ Selectivity in a Chemically Robust Porous Coordination Polymer. Advanced Functional Materials, 2013, 23, 3525-3530.	7.8	182
5	Ligand-based solid solution approach to stabilisation of sulphonic acid groups in porous coordination polymer Zr6O4(OH)4(BDC)6 (UiO-66). Dalton Transactions, 2012, 41, 13791.	1.6	170
6	A solid solution approach to 2D coordination polymers for CH₄/CO₂and CH₄/C₂H₆gas separation: equilibrium and kinetic studies. Chemical Science, 2012, 3, 116-120.	3.7	148
7	Modular Design of Domain Assembly in Porous Coordination Polymer Crystals via Reactivity-Directed Crystallization Process. Journal of the American Chemical Society, 2012, 134, 13341-13347.	6.6	105
8	Graphite-Conjugated Pyrazines as Molecularly Tunable Heterogeneous Electrocatalysts. Journal of the American Chemical Society, 2015, 137, 10926-10929.	6.6	95
9	Pore Design of Two-Dimensional Coordination Polymers toward Selective Adsorption. Inorganic Chemistry, 2013, 52, 3634-3642.	1.9	89
10	Modification of flexible part in Cu2+ interdigitated framework for CH4/CO2 separation. Chemical Communications, 2010, 46, 9229.	2.2	86
11	Catalytic Dehydrogenative Câ€“H Imidation of Arenes Enabled by Photo-generated Hole Donation to Sulfonimide. CheM, 2017, 2, 383-392.	5.8	86
12	Dense Coordination Network Capable of Selective CO₂ Capture from C1 and C2 Hydrocarbons. Journal of the American Chemical Society, 2012, 134, 9852-9855.	6.6	82
13	Control of Molecular Rotor Rotational Frequencies in Porous Coordination Polymers Using a Solid-Solution Approach. Journal of the American Chemical Society, 2015, 137, 12183-12186.	6.6	78
14	Postsynthesis Modification of a Porous Coordination Polymer by LiCl To Enhance H⁺ Transport. Journal of the American Chemical Society, 2013, 135, 4612-4615.	6.6	75
15	Design of Flexible Lewis Acidic Sites in Porous Coordination Polymers by using the Viologen Moiety. Angewandte Chemie - International Edition, 2012, 51, 8369-8372.	7.2	74
16	A Soft Copper(II) Porous Coordination Polymer with Unprecedented Aqua Bridge and Selective Adsorption Properties. Chemistry - A European Journal, 2012, 18, 13117-13125.	1.7	69
17	Highly Selective CO₂ Adsorption Accompanied with Low-Energy Regeneration in a Two-Dimensional Cu(II) Porous Coordination Polymer with Inorganic Fluorinated PF₆^{â€“} Anions. Inorganic Chemistry, 2013, 52, 280-285.	1.9	67
18	Lateâ€Stage Functionalization of Arylacetic Acids by Photoredoxâ€Catalyzed Decarboxylative Carbonâ€“Heteroatom Bond Formation. Chemistry - A European Journal, 2018, 24, 9254-9258.	1.7	33

#	Article	IF	Citations
19	Incarceration of Nanosized Silica into Porous Coordination Polymers: Preparation, Characterization, and Adsorption Property. Chemistry of Materials, 2011, 23, 1736-1741.	3.2	28
20	Programmed crystallization via epitaxial growth and ligand replacement towards hybridizing porous coordination polymer crystals. Dalton Transactions, 2013, 42, 15868.	1.6	27
21	Polymorphism of [6]Cycloparaphenylene for Packing Structure-dependent Hostâ€“Guest Interaction. Chemistry Letters, 2017, 46, 855-857.	0.7	26
22	Synthesis and Porous Properties of Chromium Azolate Porous Coordination Polymers. Inorganic Chemistry, 2014, 53, 9870-9875.	1.9	23
23	Inherent Promotion of Ionic Conductivity via Collective Vibrational Strong Coupling of Water with the Vacuum Electromagnetic Field. Journal of the American Chemical Society, 2022, 144, 12177-12183.	6.6	21
24	Landscape of Research Areas for Zeolites and Metal-Organic Frameworks Using Computational Classification Based on Citation Networks. Materials, 2017, 10, 1428.	1.3	19
25	Synthesis, Structure, and Electrochemical Property of a Bimetallic Bis-2-pyridylidene Palladium Acetate Complex. Chemistry Letters, 2017, 46, 587-590.	0.7	13
26	Vibrational Coupling of Water from Weak to Ultrastrong Coupling Regime via Cavity Mode Tuning. Journal of Physical Chemistry C, 2021, 125, 25832-25840.	1.5	12
27	Photoredox Fischer Indole Synthesis. Synthesis, 2019, 51, 3214-3220.	1.2	11
28	Minor Impact of Ligand Shell Steric Profile on Colloidal Nanocarbon Catalysis. Chemistry of Materials, 2017, 29, 495-498.	3.2	7
29	Revealing High Oxygen Evolution Catalytic Activity of Fluorine-Doped Carbon in Alkaline Media. Materials, 2019, 12, 211.	1.3	7
30	Unique Electronic Excitations at Highly Localized Plasmonic Field. Accounts of Chemical Research, 2022, 55, 809-818.	7.6	6
31	Modulation of Graphene/Au(111) Interaction by Electrocatalytic Hydrogen Evolution Reaction. Journal of Physics: Conference Series, 2019, 1220, 012016.	0.3	2
32	Molecularly defined graphitic interface toward proton manipulation. Current Opinion in Electrochemistry, 2019, 17, 158-166.	2.5	2
33	Rapid detection of donor-dependent photocatalytic hydrogen evolution by NMR spectroscopy. RSC Advances, 2022, 12, 12967-12970.	1.7	0