Shun Dekura

List of Publications by Year
in descending order

29 papers	946 citations	840776 11 h-index	501196 28 g-index
30 all docs	30 docs citations	30 times ranked	1563 citing authors

#	Article	IF	Citations
1	Defect Control To Enhance Proton Conductivity in a Metalâ€“Organic Framework. Chemistry of Materials, 2015, 27, 2286-2289.	6.7	206
2	The Role of a Three Dimensionally Ordered Defect Sublattice on the Acidity of a Sulfonated Metalâ€“Organic Framework. Journal of the American Chemical Society, 2015, 137, 11498-11506.	13.7	178
3	Confined water-mediated high proton conduction in hydrophobic channel of a synthetic nanotube. Nature Communications, 2020, 11, 843.	12.8	116
4	Shape-Dependent Hydrogen-Storage Properties in Pd Nanocrystals: Which Does Hydrogen Prefer, Octahedron (111) or Cube (100)?. Journal of the American Chemical Society, 2014, 136, 10222-10225.	13.7	104
5	Hydrogen in Palladium and Storage Properties of Related Nanomaterials: Size, Shape, Alloying, and Metalâ€Organic Framework Coating Effects. ChemPhysChem, 2019, 20, 1158-1176.	2.1	80
6	MOP Ã— MOF: Collaborative Combination of Metalâ€“Organic Polyhedra and Metalâ€“Organic Framework for Proton Conductivity. ACS Applied Materials & Interfaces, 2019, 11, 12639-12646.	8.0	45
7	Nonpolar-to-Polar Phase Transition of a Chiral Ionic Plastic Crystal and Switch of the Rotation Symmetry. Journal of the American Chemical Society, 2018, 140, 291-297.	13.7	30
8	Ferroelectric and Spin Crossover Behavior in a Cobalt(II) Compound Induced by Polarâ€Ligandâ€Substituent Motion. Angewandte Chemie - International Edition, 2021, 60, 12717-12722.	13.8	30
9	The Electronic State of Hydrogen in the Î±â€…Phase of the Hydrogenâ€Storage Material PdH(D)_x: Does a Chemical Bond Between Palladium and Hydrogen Exist?. Angewandte Chemie - International Edition, 2018, 57, 9823-9827.	13.8	25
10	Proton Conduction Mechanism for Anhydrous Imidazolium Hydrogen Succinate Based on Local Structures and Molecular Dynamics. Journal of Physical Chemistry Letters, 2021, 12, 5390-5394.	4.6	18
11	Anhydrous Purely Organic Solid-State Proton Conductors: Effects of Molecular Dynamics on the Proton Conductivity of Imidazolium Hydrogen Dicarboxylates. Journal of the Physical Society of Japan, 2020, 89, 051008.	1.6	13
12	Vapochromism induced by intermolecular electron transfer coupled with hydrogen-bond formation in zinc dithiolene complex. Journal of Materials Chemistry C, 2020, 8, 14939-14947.	5.5	11
13	Enhancement of Ionic Conductivity in Organic Ionic Plastic Crystals by Introducing Racemic Ammonium Ions. Chemistry Letters, 2018, 47, 497-499.	1.3	10
14	Molecular Arrangement Control of [1]Benzothieno[3,2-b][1]benzothiophene (BTBT) via Charge-Assisted Hydrogen Bond. Bulletin of the Chemical Society of Japan, 2022, 95, 1178-1182.	3.2	9
15	Stacking fault density and bond orientational order of fcc ruthenium nanoparticles. Applied Physics Letters, 2017, 111, 253101.	3.3	8
16	The relationship between crystalline disorder and electronic structure of Pd nanoparticles and their hydrogen storage properties. RSC Advances, 2019, 9, 21311-21317.	3.6	8
17	Hydrogen absorption and diffusion behaviors in cube-shaped palladium nanoparticles revealed by ambient-pressure X-ray photoelectron spectroscopy. Applied Surface Science, 2022, 587, 152797.	6.1	7
18	Protonâ€“electron-coupled functionalities of conductivity, magnetism, and optical properties in molecular crystals. Chemical Communications, 2022, 58, 5668-5682.	4.1	7

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19	The Electronic State of Hydrogen in the Î±â€…Phase of the Hydrogenâ€Storage Material PdH(D)_x: Does a Chemical Bond Between Palladium and Hydrogen Exist?. Angewandte Chemie, 2018, 130, 9971-9975.	2.0	6
20	The Simplest Model for Doped Poly(3,4â€ethylenedioxythiophene) (PEDOT): Singleâ€crystalline EDOT Dimer Radical Cation Salts. Chemistry - A European Journal, 2021, 27, 6696-6700.	3.3	6
21	Modulation of the electronic states and magnetic properties of nickel catecholdithiolene complex by oxidation-coupled deprotonation. Journal of Materials Chemistry C, 2021, 9, 10718-10726.	5.5	5
22	New Insights on the Formation Process and Thermodynamics of the Î±-Phase PdH(D)x through Direct Enthalpy Measurement of H(D) Dissolution. Journal of Physical Chemistry C, 2020, 124, 8663-8668.	3.1	4
23	Ferroelectric and Spin Crossover Behavior in a Cobalt(II) Compound Induced by Polarâ€Ligandâ€Substituent Motion. Angewandte Chemie, 2021, 133, 12827-12832.	2.0	4
24	Ferromagnetism out of charge fluctuation of strongly correlated electrons in Îº-(BEDT-TTF)2Hg(SCN)2Br. Npj Quantum Materials, 2021, 6, .	5.2	4
25	Effects of mechanical grinding on the phase behavior and anhydrous proton conductivity of imidazolium hydrogen succinate. Solid State Ionics, 2021, 372, 115775.	2.7	4
26	Conjugation length effect on the conducting behavior of single-crystalline oligo(3,4-ethylenedioxythiophene) (nEDOT) radical cation salts. Physical Chemistry Chemical Physics, 2022, 24, 9130-9134.	2.8	4
27	Band-filling effects in single-crystalline oligomer models for doped PEDOT: 3,4-ethylenedioxythiophene (EDOT) dimer salt with hydrogen-bonded infinite sulfate anion chains. Journal of Materials Chemistry C, 2022, 10, 7543-7551.	5.5	3
28	First In Situ NMR Observation of Hydrogen Adsorbed inside [Cu3(btc)2] at Ambient Temperature and Pressure. Chemistry Letters, 2014, 43, 1363-1364.	1.3	1
29	The Simplest Model for Doped Poly(3,4â€ethylenedioxythiophene) (PEDOT): Singleâ€crystalline EDOT Dimer Radical Cation Salts. Chemistry - A European Journal, 2021, 27, 6597-6597.	3.3	0