

Hiroshi Matsui

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5937740/publications.pdf>

Version: 2024-02-01

23
papers

228
citations

933410

10
h-index

996954

15
g-index

24
all docs

24
docs citations

24
times ranked

188
citing authors

#	ARTICLE	IF	CITATIONS
1	Terahertz frequency shifts due to multiphonon scattering in thiamin crystals containing hydrated ions. Applied Physics Letters, 2022, 120, .	3.3	3
2	Mechanisms of the antiferro-electric ordering in superprotonic conductors Cs ₃ H(SeO ₄) ₂ and Cs ₃ D(SeO ₄) ₂ . Journal of Chemical Physics, 2022, 156, 204504.	3.0	0
3	Temperature-Dependent Low-Frequency Vibrations of Thiamine Crystal Containing Hydrated Ions. Journal of Physical Chemistry A, 2021, 125, 1837-1844.	2.5	5
4	The role of lattice vibration in the terahertz region for proton conduction in 2D metal-organic frameworks. Chemical Science, 2020, 11, 1538-1541.	7.4	9
5	Phonon-assisted proton tunneling in the hydrogen-bonded dimeric selenates of Cs ₃ H(SeO ₄) ₂ . Journal of Chemical Physics, 2020, 152, 154502.	3.0	5
6	Proton Conduction via Water Bridges Hydrated in the Collagen Film. Journal of Functional Biomaterials, 2020, 11, 61.	4.4	14
7	Proton Conduction Inhibited by Xe Hydrates in the Water Nanotube of the Molecular Porous Crystal {[Ru ^{III} (H ₂ bim) ₃](TMA)} ₂ ·mH ₂ O. Journal of Physical Chemistry C, 2019, 123, 20413-20419.		
8	Assessment of the VDW interaction converting DMAPS from the thermal-motion form to the hydrogen-bonded form. Scientific Reports, 2019, 9, 13104.	3.3	6
9	Proton conduction through the nanochannel water in weak-acidic nanoporous crystals [Cu ₂ (phen) ₂ (AcO) ₂ (H ₂ O) ₂][Al(OH) ₆ Mo ₆ O ₁₈]M ⁺ (nH ₂ O) (M ⁺ = H ⁺ , Li ⁺ , Na ⁺ , K ⁺). Solid State Ionics, 2016, 285, 165-169.	2.7	2
10	Transpiration of Water Molecules through Molecule-Based Porous Crystals with One-Dimensional Nanochannels. Bulletin of the Chemical Society of Japan, 2015, 88, 1707-1715.	3.2	4
11	Proton tunneling in low dimensional cesium silicate LDS-1. Journal of Chemical Physics, 2015, 143, 024503.	3.0	5
12	Defect Dynamics of the Dipole Ordered Water Chain in a Polar Nanochannel. Journal of the Physical Society of Japan, 2014, 83, 054708.	1.6	11
13	Eigen-like hydrated protons traveling with a local distortion through the water nanotube in new molecular porous crystals {[M ^{III} (H ₂ bim) ₃](TMA)} ₂ ·20H ₂ O (M = Co, Rh, Ru). Journal of Chemical Physics, 2012, 137, 144503.	3.0	18
14	Preparation and superconductivity of intercalation compounds of TiNCl with aliphatic amines. Journal of Materials Chemistry, 2012, 22, 10752.	6.7	18
15	Observation of Quasi-One Dimensional Proton Conductions in Molecular Porous Crystal [Co ^{III} (H ₂ bim) ₃](TMA)} ₂ ·20H ₂ O. Journal of the Physical Society of Japan, 2010, 79, 103601.	1.6	18
16	Two-Dimensionally Confined Water in between MnO ₂ Layers of Na-Birnessite. Journal of the Physical Society of Japan, 2009, 78, 074801.	1.6	14
17	Hydration Effects on the Microwave Dielectricity in Dry Poly(dA)-Poly(dT) DNA. Journal of the Physical Society of Japan, 2008, 77, 044802.	1.6	10
18	Correlation in ⁵⁷ Fe-(BEDT-TSF) ₂ Fe _{1-x} Ga _x Cl ₄ by ESR Measurements. Journal of the Physical Society of Japan, 2006, 75, 104715.	1.6	2

#	ARTICLE	IF	CITATIONS
19	Enhancement of the ^1H NMR Relaxation Rate at Low Temperatures and Development of Antiferromagnetic Spin Fluctuations of f -Electrons in Superconducting $\hat{\text{T}}\text{b}-(\text{BETS})_2\text{GaCl}_4$. Journal of the Physical Society of Japan, 2003, 72, 3259-3265.	1.6	7
20	Magnetic Field Effects on Nonlinear Electrical Transport in $\hat{\text{T}}\text{b}-(\text{BEDT-TSF})_2\text{FeCl}_4$, where BEDT-TSF is bis(ethylenedithio)tetraselenafulvalene. Journal of the Physical Society of Japan, 2003, 72, 2714-2717.	1.6	13
21	Reply to Comment by H. Kitano and A. Maeda. Journal of the Physical Society of Japan, 2002, 71, 668-669.	1.6	4
22	Anomalous Splitting of ^1H -NMR Spectra in $\hat{\text{T}}\text{b}-(\text{BEDT-TSF})_2\text{FeCl}_4$. Journal of the Physical Society of Japan, 2002, 71, 732-734.	1.6	25
23	Anomalous Dielectric Response in the f -Correlated Metallic State of $\hat{\text{T}}\text{b}-(\text{BEDT-TSF})_2\text{FeCl}_4$. Journal of the Physical Society of Japan, 2001, 70, 2501-2504.	1.6	31