

Takayuki Shibata

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4159417/publications.pdf>

Version: 2024-02-01

32
papers

439
citations

759233

12
h-index

752698

20
g-index

34
all docs

34
docs citations

34
times ranked

619
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced battery performance in manganese hexacyanoferrate by partial substitution. <i>Electrochimica Acta</i> , 2016, 210, 963-969.	5.2	81
2	Fast discharge process of layered cobalt oxides due to high Na ⁺ diffusion. <i>Scientific Reports</i> , 2015, 5, 9006.	3.3	68
3	Ultrafast cation intercalation in nanoporous nickel hexacyanoferrate. <i>Chemical Communications</i> , 2014, 50, 12941-12943.	4.1	28
4	Invariant nature of substituted element in metal-hexacyanoferrate. <i>Scientific Reports</i> , 2017, 7, 13225.	3.3	23
5	Thermal power generation during heat cycle near room temperature. <i>Applied Physics Express</i> , 2018, 11, 017101.	2.4	20
6	Sodium ion diffusion in layered Na _x MnO ₂ (0.49 ≤ x ≤ 0.75): Comparison with Na _x CoO ₂ . <i>Applied Physics Express</i> , 2014, 7, 067101.	2.4	18
7	Energy harvesting thermocell with use of phase transition. <i>Scientific Reports</i> , 2020, 10, 1813.	3.3	17
8	Quick Response of All Solid Electrochromic Device. <i>Applied Physics Express</i> , 2009, 2, 105502.	2.4	16
9	Sodium Ion Diffusion in Layered Na _x CoO ₂ . <i>Applied Physics Express</i> , 2013, 6, 097101.	2.4	16
10	Magnetic and Electronic Properties of Valence-Controlled Ni ²⁺ Fe Cyanide. <i>Journal of the Physical Society of Japan</i> , 2008, 77, 104714.	1.6	15
11	Electric Properties of All Solid Ion-Transfer Device Fabricated with Transition Metal Cyanide Films. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 094101.	1.5	15
12	Thermal efficiency of a thermocell made of Prussian blue analogues. <i>Scientific Reports</i> , 2018, 8, 14784.	3.3	12
13	Glucose-Treated Manganese Hexacyanoferrate for Sodium-Ion Secondary Battery. <i>Energies</i> , 2015, 8, 9486-9494.	3.1	11
14	Photoinduced Phase Transition into a Hidden Phase in Cobalt Hexacyanoferrate as Investigated by Time-Resolved X-ray Absorption Fine Structure. <i>Journal of the Physical Society of Japan</i> , 2013, 82, 033601.	1.6	10
15	In situ IR spectroscopy during oxidation process of cobalt Prussian blue analogues. <i>Scientific Reports</i> , 2021, 11, 4119.	3.3	10
16	Bonding Nature of LiCoO ₂ by Topological Analysis of Electron Density from X-ray Diffraction. <i>Electrochemistry</i> , 2015, 83, 840-842.	1.4	9
17	Low Voltage Charge/Discharge Behavior of Manganese Hexacyanoferrate. <i>Batteries</i> , 2017, 3, 7.	4.5	9
18	Improved Thermal Cyclability of Tertiary Battery Made of Prussian Blue Analogues. <i>ChemistrySelect</i> , 2019, 4, 8558-8563.	1.5	8

#	ARTICLE	IF	CITATIONS
19	Pressure-Induced Phase Transition in Zn ²⁺ Fe Prussian Blue Lattice. Journal of the Physical Society of Japan, 2009, 78, 105002.	1.6	6
20	Simultaneous Measurements of Picosecond Lattice and Charge Dynamics in Co ²⁺ Fe Cyanides. Applied Physics Express, 2010, 3, 016601.	2.4	6
21	Scaling relation between renormalized discharge rate and capacity in Na _x CoO ₂ films. APL Materials, 2015, 3, 106104.	5.1	5
22	Simultaneous Measurement of Electron and Ion Transfer in All-Solid Ion-Transfer Device Made of Transition Metal Cyanide Films. Japanese Journal of Applied Physics, 2011, 50, 124101.	1.5	5
23	Domain Size of Phase-Separated Na _x CoO ₂ as Investigated by X-Ray Microdiffraction. Batteries, 2017, 3, 5.	4.5	4
24	Structural Phase Transition Triggered by Na Ordering in Na _{1.96} Cd[Fe(CN) ₆] _{0.99} . Journal of the Physical Society of Japan, 2021, 90, 013601.	1.6	4
25	Performance of tertiary battery made of Prussian blue analogues. Applied Physics Express, 2021, 14, 094004.	2.4	4
26	Persistence and Amalgamation Types of CN Stretching Mode in Oxidation Process of Prussian Blue Analogues. Journal of the Physical Society of Japan, 2020, 89, 064708.	1.6	3
27	Simultaneous Measurement of Electron and Ion Transfer in All-Solid Ion-Transfer Device Made of Transition Metal Cyanide Films. Japanese Journal of Applied Physics, 2011, 50, 124101.	1.5	2
28	Extended charge-transfer model for Na _x Co[Fe(CN) ₆] _{0.82} . Japanese Journal of Applied Physics, 2021, 60, 040904.	1.5	2
29	Interrelation between discharge capacity and charge coefficient of redox potential in tertiary batteries made of transition metal hexacyanoferrate. Japanese Journal of Applied Physics, 2022, 61, 044004.	1.5	2
30	Three-to-One Dimensional Crossover of Growth Mode in Transition Metal Cyanide Film. Japanese Journal of Applied Physics, 2011, 50, 085602.	1.5	1
31	Three-to-One Dimensional Crossover of Growth Mode in Transition Metal Cyanide Film. Japanese Journal of Applied Physics, 2011, 50, 085602.	1.5	1
32	Electron transfer phase transition and oxidization process in Na _x Co _{0.44} Mn _{0.56} [Fe(CN) ₆] _{0.90} (0.00 ≤ x ≤ 1.00). Journal of Applied Physics, 2011, 110, 044301.	4.1	0