

Takayuki Shibata

List of Publications by Year in descending order

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34
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citing authors

#	ARTICLE	IF	CITATIONS
1	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.	0.8	2
2	Structural Phase Transition Triggered by Na Ordering in $\text{Na}_{1.96}\text{Cd}[\text{Fe}(\text{CN})_6]_{0.99}$. Journal of the Physical Society of Japan, 2021, 90, 013601.	0.7	4
3	In situ IR spectroscopy during oxidation process of cobalt Prussian blue analogues. Scientific Reports, 2021, 11, 4119.	1.6	10
4	Extended charge-transfer model for $\text{Na}_x\text{Co}[\text{Fe}(\text{CN})_6]_{0.82}$. Japanese Journal of Applied Physics, 2021, 60, 040904.	0.8	2
5	Performance of tertiary battery made of Prussian blue analogues. Applied Physics Express, 2021, 14, 094004.	1.1	4
6	Electron transfer phase transition and oxidization process in $\text{Na}_x\text{Co}_{0.44}\text{Mn}_{0.56}[\text{Fe}(\text{CN})_6]_{0.90}$ ($0.00 \leq x \leq 1.00$). Journal of Applied Physics, 2020, 122, 043701.	2.2	0
7	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.	0.7	3
8	Energy harvesting thermocell with use of phase transition. Scientific Reports, 2020, 10, 1813.	1.6	17
9	Improved Thermal Cyclability of Tertiary Battery Made of Prussian Blue Analogues. ChemistrySelect, 2019, 4, 8558-8563.	0.7	8
10	Thermal power generation during heat cycle near room temperature. Applied Physics Express, 2018, 11, 017101.	1.1	20
11	Thermal efficiency of a thermocell made of Prussian blue analogues. Scientific Reports, 2018, 8, 14784.	1.6	12
12	Invariant nature of substituted element in metal-hexacyanoferrate. Scientific Reports, 2017, 7, 13225.	1.6	23
13	Domain Size of Phase-Separated Na_xCoO_2 as Investigated by X-Ray Microdiffraction. Batteries, 2017, 3, 5.	2.1	4
14	Low Voltage Charge/Discharge Behavior of Manganese Hexacyanoferrate. Batteries, 2017, 3, 7.	2.1	9
15	Enhanced battery performance in manganese hexacyanoferrate by partial substitution. Electrochimica Acta, 2016, 210, 963-969.	2.6	81
16	Bonding Nature of LiCoO_2 by Topological Analysis of Electron Density from X-ray Diffraction. Electrochemistry, 2015, 83, 840-842.	0.6	9
17	Scaling relation between renormalized discharge rate and capacity in Na_xCoO_2 films. APL Materials, 2015, 3, 106104.	2.2	5
18	Glucose-Treated Manganese Hexacyanoferrate for Sodium-Ion Secondary Battery. Energies, 2015, 8, 9486-9494.	1.6	11

#	ARTICLE	IF	CITATIONS
19	Fast discharge process of layered cobalt oxides due to high Na ⁺ diffusion. Scientific Reports, 2015, 5, 9006.	1.6	68
20	Sodium ion diffusion in layered Na _x MnO ₂ (0.49 ≤ x ≤ 0.75): Comparison with Na _x CoO ₂ . Applied Physics Express, 2014, 7, 067101.	1.1	18
21	Ultrafast cation intercalation in nanoporous nickel hexacyanoferrate. Chemical Communications, 2014, 50, 12941-12943.	2.2	28
22	Sodium Ion Diffusion in Layered Na _x CoO ₂ . Applied Physics Express, 2013, 6, 097101.	1.1	16
23	Photoinduced Phase Transition into a Hidden Phase in Cobalt Hexacyanoferrate as Investigated by Time-Resolved X-ray Absorption Fine Structure. Journal of the Physical Society of Japan, 2013, 82, 033601.	0.7	10
24	Three-to-One Dimensional Crossover of Growth Mode in Transition Metal Cyanide Film. Japanese Journal of Applied Physics, 2011, 50, 085602.	0.8	1
25	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.	0.8	2
26	Three-to-One Dimensional Crossover of Growth Mode in Transition Metal Cyanide Film. Japanese Journal of Applied Physics, 2011, 50, 085602.	0.8	1
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.	0.8	5
28	Simultaneous Measurements of Picosecond Lattice and Charge Dynamics in Co ^{II} Fe Cyanides. Applied Physics Express, 2010, 3, 016601.	1.1	6
29	Electric Properties of All Solid Ion-Transfer Device Fabricated with Transition Metal Cyanide Films. Japanese Journal of Applied Physics, 2010, 49, 094101.	0.8	15
30	Pressure-Induced Phase Transition in Zn ^{II} Fe Prussian Blue Lattice. Journal of the Physical Society of Japan, 2009, 78, 105002.	0.7	6
31	Quick Response of All Solid Electrochromic Device. Applied Physics Express, 2009, 2, 105502.	1.1	16
32	Magnetic and Electronic Properties of Valence-Controlled Ni ^{II} Fe Cyanide. Journal of the Physical Society of Japan, 2008, 77, 104714.	0.7	15