

# Takayuki Shibata

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30  
papers

335  
citations

11  
h-index

17  
g-index

34  
ext. papers

388  
ext. citations

3  
avg, IF

3.82  
L-index

#	Paper	IF	Citations
30	Enhanced battery performance in manganese hexacyanoferrate by partial substitution. <i>Electrochimica Acta</i> , <b>2016</b> , 210, 963-969	6.7	59
29	Fast discharge process of layered cobalt oxides due to high Na <sup>+</sup> diffusion. <i>Scientific Reports</i> , <b>2015</b> , 5, 9006	4.9	52
28	Ultrafast cation intercalation in nanoporous nickel hexacyanoferrate. <i>Chemical Communications</i> , <b>2014</b> , 50, 12941-3	5.8	22
27	Invariant nature of substituted element in metal-hexacyanoferrate. <i>Scientific Reports</i> , <b>2017</b> , 7, 13225	4.9	16
26	Quick Response of All Solid Electrochromic Device. <i>Applied Physics Express</i> , <b>2009</b> , 2, 105502	2.4	16
25	Sodium ion diffusion in layered Na <sub>x</sub> MnO <sub>2</sub> (0.49 ≤ x ≤ 0.75): Comparison with Na <sub>x</sub> CoO <sub>2</sub> . <i>Applied Physics Express</i> , <b>2014</b> , 7, 067101	2.4	15
24	Electric Properties of All Solid Ion-Transfer Device Fabricated with Transition Metal Cyanide Films. <i>Japanese Journal of Applied Physics</i> , <b>2010</b> , 49, 094101	1.4	15
23	Magnetic and Electronic Properties of Valence-Controlled NiBe Cyanide. <i>Journal of the Physical Society of Japan</i> , <b>2008</b> , 77, 104714	1.5	15
22	Thermal power generation during heat cycle near room temperature. <i>Applied Physics Express</i> , <b>2018</b> , 11, 017101	2.4	14
21	Energy harvesting thermocell with use of phase transition. <i>Scientific Reports</i> , <b>2020</b> , 10, 1813	4.9	13
20	Sodium Ion Diffusion in Layered Na <sub>x</sub> CoO <sub>2</sub> . <i>Applied Physics Express</i> , <b>2013</b> , 6, 097101	2.4	13
19	Bonding Nature of LiCoO <sub>2</sub> by Topological Analysis of Electron Density from X-ray Diffraction. <i>Electrochemistry</i> , <b>2015</b> , 83, 840-842	1.2	9
18	Low Voltage Charge/Discharge Behavior of Manganese Hexacyanoferrate. <i>Batteries</i> , <b>2017</b> , 3, 7	5.7	8
17	Glucose-Treated Manganese Hexacyanoferrate for Sodium-Ion Secondary Battery. <i>Energies</i> , <b>2015</b> , 8, 9486-9494	3.1	8
16	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> , <b>2013</b> , 82, 033601	1.5	8
15	Thermal efficiency of a thermocell made of Prussian blue analogues. <i>Scientific Reports</i> , <b>2018</b> , 8, 14784	4.9	8
14	Pressure-Induced Phase Transition in ZnBe Prussian Blue Lattice. <i>Journal of the Physical Society of Japan</i> , <b>2009</b> , 78, 105002	1.5	6

13	Improved Thermal Cyclability of Tertiary Battery Made of Prussian Blue Analogues. <i>ChemistrySelect</i> , <b>2019</b> , 4, 8558-8563	1.8	5
12	Simultaneous Measurements of Picosecond Lattice and Charge Dynamics in CoBe Cyanides. <i>Applied Physics Express</i> , <b>2010</b> , 3, 016601	2.4	5
11	Simultaneous Measurement of Electron and Ion Transfer in All-Solid Ion-Transfer Device Made of Transition Metal Cyanide Films. <i>Japanese Journal of Applied Physics</i> , <b>2011</b> , 50, 124101	1.4	5
10	In situ IR spectroscopy during oxidation process of cobalt Prussian blue analogues. <i>Scientific Reports</i> , <b>2021</b> , 11, 4119	4.9	5
9	Persistence and Amalgamation Types of CN Stretching Mode in Oxidation Process of Prussian Blue Analogues. <i>Journal of the Physical Society of Japan</i> , <b>2020</b> , 89, 064708	1.5	3
8	Structural Phase Transition Triggered by Na Ordering in Na <sub>1.96</sub> Cd[Fe(CN) <sub>6</sub> ] <sub>0.99</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2021</b> , 90, 013601	1.5	3
7	Scaling relation between renormalized discharge rate and capacity in Na <sub>x</sub> CoO <sub>2</sub> films. <i>APL Materials</i> , <b>2015</b> , 3, 106104	5.7	2
6	Domain Size of Phase-Separated Na <sub>x</sub> CoO <sub>2</sub> as Investigated by X-Ray Microdiffraction. <i>Batteries</i> , <b>2017</b> , 3, 5	5.7	1
5	Three-to-One Dimensional Crossover of Growth Mode in Transition Metal Cyanide Film. <i>Japanese Journal of Applied Physics</i> , <b>2011</b> , 50, 085602	1.4	1
4	Three-to-One Dimensional Crossover of Growth Mode in Transition Metal Cyanide Film. <i>Japanese Journal of Applied Physics</i> , <b>2011</b> , 50, 085602	1.4	1
3	Simultaneous Measurement of Electron and Ion Transfer in All-Solid Ion-Transfer Device Made of Transition Metal Cyanide Films. <i>Japanese Journal of Applied Physics</i> , <b>2011</b> , 50, 124101	1.4	0
2	Extended charge-transfer model for Na <sub>x</sub> Co[Fe(CN) <sub>6</sub> ] <sub>0.82</sub> . <i>Japanese Journal of Applied Physics</i> , <b>2021</b> , 60, 040904	1.4	0
1	Performance of tertiary battery made of Prussian blue analogues. <i>Applied Physics Express</i> , <b>2021</b> , 14, 094004	2.4	0