

Riki Kataoka

List of Publications by Year in descending order

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35
papers

464
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759233

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#	ARTICLE	IF	CITATIONS
1	Development of High Capacity Cathode Material for Sodium Ion Batteries $\text{Na}_{0.95}\text{Li}_{0.15}(\text{Ni}_{0.15}\text{Mn}_{0.55}\text{Co}_{0.1})\text{O}_2$. Journal of the Electrochemical Society, 2013, 160, A933-A939.		58
2	High-pressure synthesis of novel compounds in an Mg–Ni system. Renewable Energy, 2008, 33, 221-225.	8.9	49
3	Improving the oxygen redox stability of NaCl-type cation disordered Li_2MnO_3 in a composite structure of Li_2MnO_3 and spinel-type LiMn_2O_4 . Journal of Materials Chemistry A, 2019, 7, 5381-5390.	10.3	33
4	High Capacity Positive Electrode Material for Room Temperature Na Ion Battery: $\text{NaMn}_2/3\text{Co}_{1/6}\text{Ni}_{1/6}\text{O}_2$. Journal of the Electrochemical Society, 2015, 162, A553-A558.	2.9	30
5	High-strength clad current collector for silicon-based negative electrode in lithium ion battery. Journal of Power Sources, 2016, 301, 355-361.	7.8	24
6	Spinel-Type Sodium Titanium Oxide: A Promising Sodium-Insertion Material of Sodium-Ion Batteries. ACS Applied Energy Materials, 2019, 2, 4345-4353.	5.1	22
7	Electrochemical Property of Li-Mn Cation Disordered Li-Rich Li_2MnO_3 with NaCl Type Structure. Journal of the Electrochemical Society, 2018, 165, A291-A296.	2.9	18
8	Realizing the Single-Phase Spinel-Type Sodium Titanium Oxide with the $\text{Li}_4\text{Ti}_5\text{O}_{12}$ -like Structure for Building Stable Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 9322-9331.	8.0	18
9	Spinel manganese oxide: A high capacity positive electrode material for the sodium ion battery. Electrochimica Acta, 2016, 212, 458-464.	5.2	17
10	Novel hydrides in Mg–TM systems synthesized by high pressure (TM=Zr, Nb, Hf and Ta). Journal of Alloys and Compounds, 2007, 446-447, 6-10.	5.5	14
11	Influence of the preparation methods on the electrochemical properties and structural changes of alpha-sodium iron oxide as a positive electrode material for rechargeable sodium batteries. Electrochimica Acta, 2015, 182, 871-877.	5.2	14
12	High-Pressure Synthesis of Novel Hydrides in Mg–TM Systems (TM = Zr, Nb and Mo). Materials Transactions, 2005, 46, 1798-1801.	1.2	13
13	High-Pressure Synthesis of Novel Hydride in Mg–Ni (–H) System. Materials Transactions, 2006, 47, 1957-1960.	1.2	13
14	Study of the interface between Na-rich and Li-rich phases in a Na-inserted spinel $\text{Li}_4\text{Ti}_5\text{O}_{12}$ crystal for an electrode of a sodium-ion battery. Physical Chemistry Chemical Physics, 2016, 18, 19888-19893.	2.8	12
15	Stabilization of Face-Centered Cubic High-Pressure Phase of REH_3 (RE = Y, Gd, Dy) at Ambient Pressure by Alkali or Alkaline-Earth Substitution. Inorganic Chemistry, 2018, 57, 4686-4692.	4.0	12
16	Design of a Sodium-ion Cell with a Carbon-free $\text{Li}_4\text{Ti}_5\text{O}_{12}$ Negative Electrode. Electrochemistry, 2015, 83, 989-992.	1.4	11
17	Development of Li-Ion Rechargeable Battery Using Sn_2O_4 -Coated Si Anode Material and Its Safety Evaluation. Journal of the Electrochemical Society, 2013, 160, A1684-A1689.	2.9	10
18	High-pressure synthesis of novel hydride in Mg–Ni–H and Mg–Ni–Cu–H systems. Journal of Alloys and Compounds, 2007, 446-447, 142-146.	5.5	9

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19	High Pressure Synthesis of Hydride in Li-Y System. <i>Materials Transactions</i> , 2009, 50, 2069-2072.	1.2	9
20	High Pressure Synthesis of Novel Li-TM Hydrides (TM=Nb, Ta). <i>Energy Procedia</i> , 2012, 29, 276-282.	1.8	9
21	Electrochemical In Situ Synthesis: A New Synthesis Route for Redox Active Manganese Oxides for Rechargeable Sodium Ion Battery through Initial Charge Process. <i>Journal of the Electrochemical Society</i> , 2017, 164, A226-A230.	2.9	9
22	Silicon micropowder negative electrode endures more than 1000 cycles when a surface-roughened clad current collector is used. <i>Journal of Power Sources</i> , 2017, 346, 128-133.	7.8	9
23	Structure and Electrochemical Properties of Li-NaFeO_2 Obtained under Various Hydrothermal Conditions. <i>Journal of the Electrochemical Society</i> , 2019, 166, A2209-A2214.	2.9	9
24	Structural stability of Na-inserted spinel-type sodium titanium oxide. <i>Journal of Alloys and Compounds</i> , 2021, 853, 157211.	5.5	9
25	High-Pressure Synthesis of MgNi Intermetallic Compound and Its Thermal Stability. <i>Materials Transactions</i> , 2008, 49, 457-460.	1.2	7
26	Facile Synthesis of LiH-Stabilized Face-Centered-Cubic YH_3 High-Pressure Phase by Ball Milling Process. <i>Inorganic Chemistry</i> , 2019, 58, 13102-13107.	4.0	5
27	Synthesis of cubic silver titanium oxide with a spinel-based structure. <i>Journal of Solid State Chemistry</i> , 2021, 303, 122514.	2.9	5
28	Novel Hydrides in Li-TM Systems Synthesized by High Pressure Method (TM=Ti, Zr, Hf). <i>Materials Transactions</i> , 2011, 52, 49-53.	1.2	4
29	High Pressure Synthesis of Novel $\text{Mg}(\text{Ni}_{1-x}\text{Cu}_x)_2$ Hydrides ($x=0\text{--}0.2$). <i>Materials Transactions</i> , 2009, 50, 1179-1182.	1.2	3
30	Face-centered-cubic yttrium trihydride high-pressure phase stabilized at ambient pressures by mechanical milling. <i>Materialia</i> , 2021, 15, 100956.	2.7	3
31	High-Pressure Synthesis of Novel Hydride in Ca-TM Systems. <i>Advanced Materials Research</i> , 2007, 26-28, 885-888.	0.3	2
32	Sodium insertion and de-insertion mechanism of spinel-type sodium titanium oxide studied by in situ XRD. <i>Journal of Alloys and Compounds</i> , 2022, 890, 161763.	5.5	2
33	Zirconium hydride-stabilized yttrium hydride (ZSY): Stabilization of a face-centered cubic YH_3 phase by Zr substitution. <i>Journal of Alloys and Compounds</i> , 2021, 851, 156071.	5.5	1
34	The origin of the highly crystallized face-centered cubic YH_3 high-pressure phase when quenched to ambient condition. <i>Materials Today Communications</i> , 2022, 31, 103265.	1.9	1
35	Stability of Zirconium-Substituted Face-Centered Cubic Yttrium Hydride. <i>Inorganic Chemistry</i> , 2021, 60, 17715-17721.	4.0	0