Kosuke Suzuki

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8000033/publications.pdf

Version: 2024-02-01

21 papers	198 citations	1307594 7 h-index	1058476 14 g-index
22 all docs	22 docs citations	22 times ranked	217 citing authors

#	Article	IF	Citations
1	Tomographic reconstruction of oxygen orbitals in lithium-rich battery materials. Nature, 2021, 594, 213-216.	27.8	56
2	Visualizing redox orbitals and their potentials in advanced lithium-ion battery materials using high-resolution x-ray Compton scattering. Science Advances, 2017, 3, e1700971.	10.3	24
3	Compton scattering imaging of a working battery using synchrotron high-energy X-rays. Journal of Synchrotron Radiation, 2015, 22, 161-164.	2.4	23
4	In operando quantitation of Li concentration for a commercial Li-ion rechargeable battery using high-energy X-ray Compton scattering. Journal of Synchrotron Radiation, 2017, 24, 1006-1011.	2.4	17
5	Identification of ferrimagnetic orbitals preventing spinel degradation by charge ordering in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Li</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2019, 100, .	3.2	13
6	High-Energy X-Ray Compton Scattering Imaging of 18650-Type Lithium-Ion Battery Cell. Condensed Matter, 2019, 4, 66.	1.8	12
7	Dependency of the Chargeâ€“Discharge Rate on Lithium Reaction Distributions for a Commercial Lithium Coin Cell Visualized by Compton Scattering Imaging. Condensed Matter, 2018, 3, 27.	1.8	10
8	Observation of Magnetic Compton Profile of Interface Controlled Co/Pd Multilayer. Key Engineering Materials, 2011, 497, 8-12.	0.4	7
9	Effects of Interface Roughness and Lattice Strain on Perpendicular Magnetic Anisotropy in Co/Pd Multilayer. Key Engineering Materials, 2013, 534, 7-11.	0.4	6
10	3D Correlative Imaging of Lithium Ion Concentration in a Vertically Oriented Electrode Microstructure with a Density Gradient. Advanced Science, 2022, 9, e2105723.	11.2	6
11	Identifying the Degradation Mechanism in Commercial Lithium Rechargeable Batteries via High-Energy X-ray Compton Scattering Imaging. Applied Sciences (Switzerland), 2020, 10, 5855.	2.5	5
12	Redox oscillations in 18650-type lithium-ion cell revealed by in operando Compton scattering imaging. Applied Physics Letters, 2021, 118, 161902.	3.3	5
13	Magnetic Compton Scattering Study of Li-Rich Battery Materials. Condensed Matter, 2022, 7, 4.	1.8	5
14	Densitometry and temperature measurement of combustion gas by X-ray Compton scattering. Journal of Synchrotron Radiation, 2016, 23, 617-621.	2.4	4
15	Electron Density Measurement Using Multi-Energy X-Rays from a Conventional Laboratory X-Ray Source. Applied Mechanics and Materials, 0, 888, 83-88.	0.2	2
16	Electron Density and Effective Atomic Number Measurement by Using a Newly Developing Photon Counting CT System. Advanced Engineering Forum, 0, 38, 93-99.	0.3	1
17	Symmetry of Wavefunction at the Interface of Fe/MgO Magnetic Tunneling Junction. Crystals, 2022, 12, 690.	2.2	1
18	Modification of Electronic Structures with Lithium Intercalation in Li_xMn₂O₄ (x = 0 and 1) Studied by CRYSTAL14 Calculation Code. Key Engineering Materials, 2018, 790, 15-19.	0.4	0

#	Article	IF	Citations
19	Temperature and Chemical Reaction Distribution of a Laminar Diffusion Flame Measured by X-ray Compton Scattering. Crystals, 2021, 11, 787.	2.2	0
20	Compton Scattering Imaging for Operando Observation of Lithiation State on Commercial Lithium Battery Cells. ECS Meeting Abstracts, 2020, MA2020-02, 3191-3191.	0.0	0
21	Non-Destructive Analysis of a High-Power Capacitor Using High-Energy X-ray Compton Scattering. Crystals, 2022, 12, 824.	2.2	0