

Hikaru Saito

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2192581/publications.pdf>

Version: 2024-02-01

33
papers

337
citations

840776

11
h-index

888059

17
g-index

35
all docs

35
docs citations

35
times ranked

356
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomic-scale phonon scatterers in thermoelectric colusites with a tetrahedral framework structure. <i>Journal of Materials Chemistry A</i> , 2019, 7, 228-235.	10.3	41
2	Coupling of plasmonic nanopore pairs: facing dipoles attract each other. <i>Light: Science and Applications</i> , 2016, 5, e16146-e16146.	16.6	30
3	Control of Light Emission by a Plasmonic Crystal Cavity. <i>Nano Letters</i> , 2015, 15, 5764-5769.	9.1	27
4	Enargite Cu_3PS_4 : A Cu ^S -Based Thermoelectric Material with a Wurtzite ^D Derivative Structure. <i>Advanced Functional Materials</i> , 2020, 30, 2000973.	14.9	25
5	Key Role of $d^{0/10}$ Cations for the Design of Semiconducting Colusites: Large Thermoelectric ZT in $\text{Cu}_{26}\text{Ti}_2\text{Sb}_6\text{S}_{32}$ Compounds. <i>Chemistry of Materials</i> , 2021, 33, 3449-3456.	6.7	24
6	Size dependence of bandgaps in a two-dimensional plasmonic crystal with a hexagonal lattice. <i>Optics Express</i> , 2015, 23, 2524.	3.4	21
7	Electron tomography imaging methods with diffraction contrast for materials research. <i>Microscopy (Oxford, England)</i> , 2020, 69, 141-155.	1.5	19
8	Surface Anchoring and Active Sites of $[\text{Mo}_3\text{S}_{13}]^{2+}$ Clusters as Co-Catalysts for Photocatalytic Hydrogen Evolution. <i>ACS Catalysis</i> , 2022, 12, 6641-6650.	11.2	19
9	Five-second STEM dislocation tomography for 300Ånm thick specimen assisted by deep-learning-based noise filtering. <i>Scientific Reports</i> , 2021, 11, 20720.	3.3	15
10	Confinement of Surface Plasmon Polaritons by Heterostructures of Plasmonic Crystals. <i>Nano Letters</i> , 2015, 15, 6789-6793.	9.1	14
11	Size dependence of band structures in a two-dimensional plasmonic crystal with a square lattice. <i>Optics Express</i> , 2014, 22, 29761.	3.4	12
12	Waveguide Bandgap in Crystalline Bandgap Slows Down Surface Plasmon Polariton. <i>ACS Photonics</i> , 2017, 4, 1361-1370.	6.6	10
13	Exciton-dielectric mode coupling in MoS_2 nanoflakes visualized by cathodoluminescence. <i>Nanophotonics</i> , 2022, 11, 2129-2137.	6.0	10
14	Three-dimensional visualization of dislocations in a ferromagnetic material by magnetic-field-free electron tomography. <i>Ultramicroscopy</i> , 2017, 182, 249-257.	1.9	8
15	Synergistic Effect of Chemical Substitution and Insertion on the Thermoelectric Performance of $\text{Cu}_{26}\text{V}_2\text{Ge}_6\text{S}_{32}$ Colusite. <i>Inorganic Chemistry</i> , 2021, 60, 11364-11373.	4.0	7
16	Valley-Polarized Plasmonic Edge Mode Visualized in the Near-Infrared Spectral Range. <i>Nano Letters</i> , 2021, 21, 6556-6562.	9.1	7
17	Hybridization of Gap Modes and Lattice Modes in a Plasmonic Resonator Array with a Metal ^{Insulator} -Metal Structure. <i>ACS Photonics</i> , 2019, 6, 2618-2625.	6.6	6
18	Realization of epitaxial thin films of the superconductor K-doped $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$. <i>Physical Review Materials</i> , 2021, 5, .		

#	ARTICLE	IF	CITATIONS
19	Dispersion relations for coupled surface plasmon-polariton modes excited in multilayer structures. <i>Microscopy (Oxford, England)</i> , 2014, 63, 85-93.	1.5	5
20	Emergence of point defect states in a plasmonic crystal. <i>Physical Review B</i> , 2019, 100, .	3.2	5
21	The impact of surface Cu ²⁺ of ZnO/(Cu ^x Zn ^x)O heterostructured nanowires on the adsorption and chemical transformation of carbonyl compounds. <i>Chemical Science</i> , 2021, 12, 5073-5081.	7.4	5
22	Microwave synthesis of ZnO microcrystals with novel asymmetric morphology. <i>Advanced Powder Technology</i> , 2021, 32, 4356-4363.	4.1	5
23	Characterization of Nonradiative Bloch Modes in a Plasmonic Triangular Lattice by Electron Energy-Loss Spectroscopy. <i>ACS Photonics</i> , 2018, 5, 4476-4483.	6.6	4
24	Carbon observation by electron energy-loss spectroscopy and thermoelectric properties of graphite added bismuth antimony telluride prepared by mechanical alloying-hot pressing. <i>Intermetallics</i> , 2019, 109, 1-7.	3.9	3
25	High J _c and low anisotropy of hydrogen doped NdFeAsO superconducting thin film. <i>Scientific Reports</i> , 2021, 11, 5636.	3.3	3
26	Water-Selective Nanostructured Dehumidifiers for Molecular Sensing Spaces. <i>ACS Sensors</i> , 2022, 7, 534-544.	7.8	3
27	Immobilization of a [Co ^{III} Co ^{II} (H ₂ O) ₁₁ O ₃₉] ⁷⁺ Polyoxoanion for the Photocatalytic Oxygen Evolution Reaction. <i>ACS Materials Au</i> , 2022, 2, 505-515.	6.0	2
28	2p _{SS3} -2In-situ straining and electron tomography: towards 3D imaging of dislocation dynamics. <i>Microscopy (Oxford, England)</i> , 2018, 67, i19-i19.	1.5	1
29	Codeposition of Colloidal Platinum Particles and Iron Chloride Precursor on TiO ₂ for Efficient Catalytic Oxidation of CO to CO ₂ . <i>Chemistry Letters</i> , 2015, 44, 1786-1788.	1.3	0
30	1p _{B_K2} Electron beam spectroscopy for plasmonic Bloch modes. <i>Microscopy (Oxford, England)</i> , 2018, 67, i6-i6.	1.5	0
31	High spectral resolution EELS to probe optics at the nanometer scale. <i>Microscopy and Microanalysis</i> , 2019, 25, 630-631.	0.4	0
32	Pacticals and Trends of Electron Tomography for Materials Research. <i>Materia Japan</i> , 2018, 57, 589-594.	0.1	0
33	Recent Studies on TEM/STEM Tomography. <i>Materia Japan</i> , 2022, 61, 84-88.	0.1	0