

Jun Yamasaki

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

441
citations

840776

11
h-index

752698

20
g-index

26
all docs

26
docs citations

26
times ranked

458
citing authors

#	ARTICLE	IF	CITATIONS
1	Unique Catalysis of Nickel Phosphide Nanoparticles to Promote the Selective Transformation of Biofuranic Aldehydes into Diketones in Water. ACS Catalysis, 2020, 10, 4261-4267.	11.2	71
2	A cobalt phosphide catalyst for the hydrogenation of nitriles. Chemical Science, 2020, 11, 6682-6689.	7.4	66
3	Diffraction imaging of the dumbbell structure in silicon by spherical-aberration-corrected electron diffraction. Applied Physics Letters, 2008, 93, 183103.	3.3	54
4	Direct Observation of Six-Membered Rings in the Upper and Lower Walls of a Single-Wall Carbon Nanotube by Spherical Aberration-Corrected HRTEM. Nano Letters, 2006, 6, 1778-1783.	9.1	37
5	Estimation of wave fields of incident beams in a transmission electron microscope by using a small selected-area aperture. Journal of Electron Microscopy, 2011, 60, 101-108.	0.9	33
6	The first observation of carbon nanotubes by spherical aberration corrected high-resolution transmission electron microscopy. Nanotechnology, 2004, 15, 1779-1784.	2.6	25
7	Analysis of nonlinear intensity attenuation in bright-field TEM images for correct 3D reconstruction of the density in micron-sized materials. Microscopy (Oxford, England), 2014, 63, 345-355.	1.5	22
8	Support-Boosted Nickel Phosphide Nanoalloy Catalysis in the Selective Hydrogenation of Maltose to Maltitol. ACS Sustainable Chemistry and Engineering, 2021, 9, 6347-6354.	6.7	19
9	Ni ₂ P Nanoalloy as an Air-Stable and Versatile Hydrogenation Catalyst in Water: Alloying Strategy for Designing Smart Catalysts. Chemistry - A European Journal, 2021, 27, 4439-4446.	3.3	18
10	Depth-resolution imaging of crystalline nanoclusters attached on and embedded in amorphous films using aberration-corrected TEM. Ultramicroscopy, 2015, 151, 224-231.	1.9	13
11	Measurement of spatial coherence of electron beams by using a small selected-area aperture. Ultramicroscopy, 2013, 129, 10-17.	1.9	12
12	Phosphorus-Alloying as a Powerful Method for Designing Highly Active and Durable Metal Nanoparticle Catalysts for the Deoxygenation of Sulfoxides: Ligand and Ensemble Effects of Phosphorus. JACS Au, 2022, 2, 419-427.	7.9	12
13	Empirical determination of transmission attenuation curves in mass-thickness contrast TEM imaging. Ultramicroscopy, 2019, 200, 20-27.	1.9	11
14	A nickel phosphide nanoalloy catalyst for the C-3 alkylation of oxindoles with alcohols. Scientific Reports, 2021, 11, 10673.	3.3	10
15	A Practical Solution for Eliminating Artificial Image Contrast in Aberration-Corrected TEM. Microscopy and Microanalysis, 2008, 14, 27-35.	0.4	9
16	Precise method for measuring spatial coherence in TEM beams using Airy diffraction patterns. Microscopy (Oxford, England), 2018, 67, 1-10.	1.5	7
17	Phase imaging and atomic-resolution imaging by electron diffractive imaging. Japanese Journal of Applied Physics, 2019, 58, 120502.	1.5	6
18	Progress in environmental high-voltage transmission electron microscopy for nanomaterials. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190602.	3.4	6

#	ARTICLE	IF	CITATIONS
19	Wave field reconstruction and phase imaging by electron diffractive imaging. Microscopy (Oxford,) Tj ETQq1 1 0.784314 rgBJ /Overl	1.5	0
20	Quasi-static 3D structure of graphene ripple measured using aberration-corrected TEM. Nanoscale, 2021, 13, 5847-5856.	5.6	4
21	Quantitative measurement of spatial coherence of electron beams emitted from a thermionic electron gun. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 0, , .	1.5	1
22	Nonlinear intensity attenuation with increasing thickness and quantitative TEM tomography of micron-sized materials. Microscopy (Oxford, England), 2014, 63, i5.1-i6.	1.5	0
23	B11-O-06Depth-Resolution Imaging of Crystalline Nano Clusters Using Aberration-Corrected TEM. Microscopy (Oxford, England), 2015, 64, i13.1-i13.	1.5	0
24	Influence of Nonlinear Intensity Attenuation in Bright-Field TEM Images on Tomographic Reconstructions of Micron-Scaled Materials. Microscopy and Microanalysis, 2015, 21, 993-994.	0.4	0
25	Precise Measurements of Transmission Attenuation in Mass-Thickness Contrast TEM Images. Microscopy and Microanalysis, 2019, 25, 2418-2419.	0.4	0
26	Development of Electron Diffractive Imaging. Vacuum and Surface Science, 2021, 64, 466-471.	0.1	0