

Ferry Anggoro Ardy Nugroho

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,561
citations

361388

20
h-index

501174

28
g-index

31
all docs

31
docs citations

31
times ranked

1937
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-polymer hybrid nanomaterials for plasmonic ultrafast hydrogen detection. <i>Nature Materials</i> , 2019, 18, 489-495.	27.5	227
2	Hydride formation thermodynamics and hysteresis in individual Pd nanocrystals with different size and shape. <i>Nature Materials</i> , 2015, 14, 1236-1244.	27.5	160
3	Hysteresis-Free Nanoplasmonic Pd-Au Alloy Hydrogen Sensors. <i>Nano Letters</i> , 2015, 15, 3563-3570.	9.1	149
4	High-Performance Nanostructured Palladium-Based Hydrogen Sensors—Current Limitations and Strategies for Their Mitigation. <i>ACS Sensors</i> , 2020, 5, 3306-3327.	7.8	127
5	Bottom-Up Nanofabrication of Supported Noble Metal Alloy Nanoparticle Arrays for Plasmonics. <i>ACS Nano</i> , 2016, 10, 2871-2879.	14.6	102
6	Diffusion-Limited Crystallization: A Rationale for the Thermal Stability of Non-Fullerene Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 21766-21774.	8.0	82
7	Universal Scaling and Design Rules of Hydrogen-Induced Optical Properties in Pd and Pd-Alloy Nanoparticles. <i>ACS Nano</i> , 2018, 12, 9903-9912.	14.6	73
8	Rationally Designed PdAuCu Ternary Alloy Nanoparticles for Intrinsically Deactivation-Resistant Ultrafast Plasmonic Hydrogen Sensing. <i>ACS Sensors</i> , 2019, 4, 1424-1432.	7.8	62
9	Plasmonic Metasurface for Spatially Resolved Optical Sensing in Three Dimensions. <i>ACS Nano</i> , 2020, 14, 2345-2353.	14.6	55
10	Grain boundary mediated hydriding phase transformations in individual polycrystalline metal nanoparticles. <i>Nature Communications</i> , 2017, 8, 1084.	12.8	49
11	Nanoscale metal oxides—2D materials heterostructures for photoelectrochemical water splitting—a review. <i>Journal of Materials Chemistry A</i> , 2022, 10, 8656-8686.	10.3	48
12	Direct Comparison of PdAu Alloy Thin Films and Nanoparticles upon Hydrogen Exposure. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 15489-15497.	8.0	45
13	Suppressing Co-Crystallization of Halogenated Non-Fullerene Acceptors for Thermally Stable Ternary Solar Cells. <i>Advanced Functional Materials</i> , 2020, 30, 2005462.	14.9	44
14	Optical Property-Composition Correlation in Noble Metal Alloy Nanoparticles Studied with EELS. <i>ACS Photonics</i> , 2019, 6, 779-786.	6.6	42
15	Novel wide-bandgap non-fullerene acceptors for efficient tandem organic solar cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1164-1175.	10.3	39
16	A fiber-optic nanoplasmonic hydrogen sensor via pattern-transfer of nanofabricated PdAu alloy nanostructures. <i>Nanoscale</i> , 2018, 10, 20533-20539.	5.6	38
17	Synthesis and characterizations of microwave sintered ferrite powders and their composite films for practical applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 140-145.	2.3	34
18	Plasmonic Nanospectroscopy for Thermal Analysis of Organic Semiconductor Thin Films. <i>Analytical Chemistry</i> , 2017, 89, 2575-2582.	6.5	29

#	ARTICLE	IF	CITATIONS
19	A Library of Late Transition Metal Alloy Dielectric Functions for Nanophotonic Applications. <i>Advanced Functional Materials</i> , 2020, 30, 2002122.	14.9	29
20	Impact of Surfactants and Stabilizers on Palladium Nanoparticleâ€“Hydrogen Interaction Kinetics: Implications for Hydrogen Sensors. <i>ACS Applied Nano Materials</i> , 2020, 3, 2647-2653.	5.0	24
21	Bulk-Processed Pd Nanocubeâ€“Poly(methyl methacrylate) Nanocomposites as Plasmonic Plastics for Hydrogen Sensing. <i>ACS Applied Nano Materials</i> , 2020, 3, 8438-8445.	5.0	20
22	A fullerene alloy based photovoltaic blend with a glass transition temperature above 200 Å°C. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4156-4162.	10.3	17
23	UVâ€“Visible and Plasmonic Nanospectroscopy of the CO ₂ Adsorption Energetics in a Microporous Polymer. <i>Analytical Chemistry</i> , 2015, 87, 10161-10165.	6.5	15
24	Hydrogenation Kinetics of Metal Hydride Catalytic Layers. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 52530-52541.	8.0	15
25	Topographically Flat Nanoplasmonic Sensor Chips for Biosensing and Materials Science. <i>ACS Sensors</i> , 2017, 2, 119-127.	7.8	13
26	One-Step Coating of a ZnS Nanoparticle/MoS ₂ Nanosheet Composite on Supported ZnO Nanorods as Anodes for Photoelectrochemical Water Splitting. <i>ACS Applied Nano Materials</i> , 2022, 5, 16051-16060.	5.0	9
27	Plasmonic Temperature-Programmed Desorption. <i>Nano Letters</i> , 2021, 21, 353-359.	9.1	6
28	Facile Synthesis of 1T-MoS ₂ Nanoflowers Using Hydrothermal Method. <i>Materials Science Forum</i> , 0, 1028, 173-178.	0.3	5
29	Optical Hydrogen Nanothermometry of Plasmonic Nanoparticles under Illumination. <i>ACS Nano</i> , 2022, , .	14.6	1