Ferry Anggoro Ardy Nugroho

List of Publications by Year
in descending order

29 papers	1,561 citations	411340 20 h-index	563245 28 g-index
31 all docs	31 docs citations	31 times ranked	2265 citing authors

#	Article	IF	Citations
1	Nanoscale metal oxidesâ€“2D materials heterostructures for photoelectrochemical water splittingâ€”a review. Journal of Materials Chemistry A, 2022, 10, 8656-8686.	5.2	48
2	Optical Hydrogen Nanothermometry of Plasmonic Nanoparticles under Illumination. ACS Nano, 2022, , .	7.3	1
3	One-Step Coating of a ZnS Nanoparticle/MoS₂ Nanosheet Composite on Supported ZnO Nanorods as Anodes for Photoelectrochemical Water Splitting. ACS Applied Nano Materials, 2022, 5, 16051-16060.	2.4	9
4	Plasmonic Temperature-Programmed Desorption. Nano Letters, 2021, 21, 353-359.	4.5	6
5	Hydrogenation Kinetics of Metal Hydride Catalytic Layers. ACS Applied Materials & Interfaces, 2021, 13, 52530-52541.	4.0	15
6	Novel wide-bandgap non-fullerene acceptors for efficient tandem organic solar cells. Journal of Materials Chemistry A, 2020, 8, 1164-1175.	5.2	39
7	Suppressing Coâ€Crystallization of Halogenated Nonâ€Fullerene Acceptors for Thermally Stable Ternary Solar Cells. Advanced Functional Materials, 2020, 30, 2005462.	7.8	44
8	High-Performance Nanostructured Palladium-Based Hydrogen Sensorsâ€”Current Limitations and Strategies for Their Mitigation. ACS Sensors, 2020, 5, 3306-3327.	4.0	127
9	Bulk-Processed Pd Nanocubeâ€“Poly(methyl methacrylate) Nanocomposites as Plasmonic Plastics for Hydrogen Sensing. ACS Applied Nano Materials, 2020, 3, 8438-8445.	2.4	20
10	A Library of Late Transition Metal Alloy Dielectric Functions for Nanophotonic Applications. Advanced Functional Materials, 2020, 30, 2002122.	7.8	29
11	Impact of Surfactants and Stabilizers on Palladium Nanoparticleâ€“Hydrogen Interaction Kinetics: Implications for Hydrogen Sensors. ACS Applied Nano Materials, 2020, 3, 2647-2653.	2.4	24
12	Plasmonic Metasurface for Spatially Resolved Optical Sensing in Three Dimensions. ACS Nano, 2020, 14, 2345-2353.	7.3	55
13	Diffusion-Limited Crystallization: A Rationale for the Thermal Stability of Non-Fullerene Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 21766-21774.	4.0	82
14	Rationally Designed PdAuCu Ternary Alloy Nanoparticles for Intrinsically Deactivation-Resistant Ultrafast Plasmonic Hydrogen Sensing. ACS Sensors, 2019, 4, 1424-1432.	4.0	62
15	Direct Comparison of PdAu Alloy Thin Films and Nanoparticles upon Hydrogen Exposure. ACS Applied Materials & Interfaces, 2019, 11, 15489-15497.	4.0	45
16	Metalâ€“polymer hybrid nanomaterials for plasmonic ultrafast hydrogen detection. Nature Materials, 2019, 18, 489-495.	13.3	227
17	Optical Propertyâ€“Composition Correlation in Noble Metal Alloy Nanoparticles Studied with EELS. ACS Photonics, 2019, 6, 779-786.	3.2	42
18	A fiber-optic nanoplasmonic hydrogen sensor via pattern-transfer of nanofabricated PdAu alloy nanostructures. Nanoscale, 2018, 10, 20533-20539.	2.8	38

#	Article	IF	Citations
19	Universal Scaling and Design Rules of Hydrogen-Induced Optical Properties in Pd and Pd-Alloy Nanoparticles. ACS Nano, 2018, 12, 9903-9912.	7.3	73
20	Plasmonic Nanospectroscopy for Thermal Analysis of Organic Semiconductor Thin Films. Analytical Chemistry, 2017, 89, 2575-2582.	3.2	29
21	A fullerene alloy based photovoltaic blend with a glass transition temperature above 200 Â°C. Journal of Materials Chemistry A, 2017, 5, 4156-4162.	5.2	17
22	Topographically Flat Nanoplasmonic Sensor Chips for Biosensing and Materials Science. ACS Sensors, 2017, 2, 119-127.	4.0	13
23	Grain boundary mediated hydriding phase transformations in individual polycrystalline metal nanoparticles. Nature Communications, 2017, 8, 1084.	5.8	49
24	Bottom-Up Nanofabrication of Supported Noble Metal Alloy Nanoparticle Arrays for Plasmonics. ACS Nano, 2016, 10, 2871-2879.	7.3	102
25	Hysteresis-Free Nanoplasmonic Pdâ€“Au Alloy Hydrogen Sensors. Nano Letters, 2015, 15, 3563-3570.	4.5	149
26	UVâ€“Visible and Plasmonic Nanospectroscopy of the CO₂ Adsorption Energetics in a Microporous Polymer. Analytical Chemistry, 2015, 87, 10161-10165.	3.2	15
27	Hydride formation thermodynamics and hysteresis in individual Pd nanocrystals withÂdifferent size and shape. Nature Materials, 2015, 14, 1236-1244.	13.3	160
28	Synthesis and characterizations of microwave sintered ferrite powders and their composite films for practical applications. Journal of Magnetism and Magnetic Materials, 2012, 324, 140-145.	1.0	34
29	Facile Synthesis of 1T-MoS₂ Nanoflowers Using Hydrothermal Method. Materials Science Forum, 0, 1028, 173-178.	0.3	5