Duy Thanh Tran

List of Publications by Year
in descending order

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39 papers	2,253 citations	201385 27 h-index	315357 38 g-index
39 all docs	39 docs citations	39 times ranked	2058 citing authors

#	Article	IF	Citations
1	Hierarchical Co and Nb dual-doped MoS2 nanosheets shelled micro-TiO2 hollow spheres as effective multifunctional electrocatalysts for HER, OER, and ORR. Nano Energy, 2021, 82, 105750.	8.2	220
2	Rational Design of Core@shell Structured CoS_x@Cu₂MoS₄ Hybridized MoS₂/N,Sâ€Codoped Graphene as Advanced Electrocatalyst for Water Splitting and Znâ€Air Battery. Advanced Energy Materials, 2020, 10, 1903289.	10.2	179
3	Ternary graphene-carbon nanofibers-carbon nanotubes structure for hybrid supercapacitor. Chemical Engineering Journal, 2020, 380, 122543.	6.6	157
4	Singleâ€Atom Coâ€Decorated MoS₂ Nanosheets Assembled on Metal Nitride Nanorod Arrays as an Efficient Bifunctional Electrocatalyst for pHâ€Universal Water Splitting. Advanced Functional Materials, 2021, 31, 2100233.	7.8	108
5	Pt nanodots monolayer modified mesoporous Cu@CuxO nanowires for improved overall water splitting reactivity. Nano Energy, 2019, 59, 216-228.	8.2	107
6	Molybdenum and Phosphorous Dual Doping in Cobalt Monolayer Interfacial Assembled Cobalt Nanowires for Efficient Overall Water Splitting. Advanced Functional Materials, 2020, 30, 2002533.	7.8	107
7	Hierarchically porous nickelâ€“cobalt phosphide nanoneedle arrays loaded micro-carbon spheres as an advanced electrocatalyst for overall water splitting application. Applied Catalysis B: Environmental, 2019, 253, 235-245.	10.8	105
8	Recent advances in MXene-based nanocomposites for electrochemical energy storage applications. Progress in Materials Science, 2021, 117, 100733.	16.0	97
9	Hierarchical three-dimensional framework interface assembled from oxygen-doped cobalt phosphide layer-shelled metal nanowires for efficient electrocatalytic water splitting. Applied Catalysis B: Environmental, 2020, 261, 118268.	10.8	87
10	Emerging core-shell nanostructured catalysts of transition metal encapsulated by two-dimensional carbon materials for electrochemical applications. Nano Today, 2018, 22, 100-131.	6.2	86
11	Nitrogen-Doped Graphene-Encapsulated Nickel Cobalt Nitride as a Highly Sensitive and Selective Electrode for Glucose and Hydrogen Peroxide Sensing Applications. ACS Applied Materials & Interfaces, 2018, 10, 35847-35858.	4.0	75
12	Constructing MoP_x@MnP_y Heteronanoparticle-Supported Mesoporous N,P-Codoped Graphene for Boosting Oxygen Reduction and Oxygen Evolution Reaction. Chemistry of Materials, 2019, 31, 2892-2904.	3.2	71
13	Ruthenium single atoms implanted continuous MoS2-Mo2C heterostructure for high-performance and stable water splitting. Nano Energy, 2021, 88, 106277.	8.2	68
14	Dual-coupling ultrasmall iron-Ni2P into P-doped porous carbon sheets assembled CuxS nanobrush arrays for overall water splitting. Nano Energy, 2021, 84, 105861.	8.2	62
15	Copper-Incorporated heterostructures of amorphous NiSex/Crystalline NiSe2 as an efficient electrocatalyst for overall water splitting. Chemical Engineering Journal, 2021, 422, 130048.	6.6	54
16	A Flexible and Transparent Zincâ€Nanofiber Network Electrode for Wearable Electrochromic, Rechargeable Znâ€Ion Battery. Small, 2022, 18, e2104462.	5.2	50
17	Atomic Heterointerface Engineering of Ni₂Pâ€NiSe₂ Nanosheets Coupled ZnPâ€Based Arrays for Highâ€Efficiency Solarâ€Assisted Water Splitting. Advanced Functional Materials, 2022, 32, .	7.8	49
18	A 3D hierarchical network derived from 2D Fe-doped NiSe nanosheets/carbon nanotubes with enhanced OER performance for overall water splitting. Journal of Materials Chemistry A, 2022, 10, 3102-3111.	5.2	48

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19	Highly Effective Freshwater and Seawater Electrolysis Enabled by Atomic Rhâ€Modulated Coâ€CoO Lateral Heterostructures. Small, 2021, 17, e2103826.	5.2	47
20	Mesoporous iron sulfide nanoparticles anchored graphene sheet as an efficient and durable catalyst for oxygen reduction reaction. Journal of Power Sources, 2019, 427, 91-100.	4.0	45
21	Rational Engineering Co_xO_y Nanosheets via Phosphorous and Sulfur Dualâ€Coupling for Enhancing Water Splitting and Znâ€“Air Battery. Advanced Functional Materials, 2021, 31, 2007822.	7.8	44
22	Activated CuNi@Ni Core@shell structures via oxygen and nitrogen dual coordination assembled on 3D CNTs-graphene hybrid for high-performance water splitting. Applied Catalysis B: Environmental, 2021, 294, 120263.	10.8	44
23	Worm-like gold nanowires assembled carbon nanofibers-CVD graphene hybrid as sensitive and selective sensor for nitrite detection. Journal of Colloid and Interface Science, 2021, 583, 425-434.	5.0	36
24	Cu-Au nanocrystals functionalized carbon nanotube arrays vertically grown on carbon spheres for highly sensitive detecting cancer biomarker. Biosensors and Bioelectronics, 2018, 119, 134-140.	5.3	34
25	Highly efficient overall water splitting over a porous interconnected network by nickel cobalt oxysulfide interfacial assembled Cu@Cu₂S nanowires. Journal of Materials Chemistry A, 2020, 8, 14746-14756.	5.2	34
26	Effects of the composition of reduced graphene oxide/carbon nanofiber nanocomposite on charge storage behaviors. Composites Part B: Engineering, 2019, 178, 107500.	5.9	30
27	Hierarchical Cu@CuxO nanowires arrays-coated gold nanodots as a highly sensitive self-supported electrocatalyst for L-cysteine oxidation. Biosensors and Bioelectronics, 2019, 139, 111327.	5.3	30
28	Recent progress on single atom/sub-nano electrocatalysts for energy applications. Progress in Materials Science, 2021, 115, 100711.	16.0	27
29	Bifunctional Catalyst Derived from Sulfur-Doped VMoO_x Nanolayer Shelled Co Nanosheets for Efficient Water Splitting. ACS Applied Materials & Interfaces, 2021, 13, 42944-42956.	4.0	26
30	Single (Ni, Fe) atoms and ultrasmall Core@shell Ni@Fe nanostructures Dual-implanted CNTs-Graphene nanonetworks for robust Zn- and Al-Air batteries. Chemical Engineering Journal, 2022, 440, 135781.	6.6	24
31	Ni Single Atoms and Ni Phosphate Clusters Synergistically Triggered Surfaceâ€Functionalized MoS₂ Nanosheets for Highâ€performance Freshwater and Seawater Electrolysis. Energy and Environmental Materials, 2022, 5, 1340-1349.	7.3	20
32	Mesoporous layered spinel zinc manganese oxide nanocrystals stabilized nitrogen-doped graphene as an effective catalyst for oxygen reduction reaction. Journal of Colloid and Interface Science, 2019, 545, 43-53.	5.0	18
33	Single platinum atoms implanted 2D lateral anion-intercalated metal hydroxides of Ni2(OH)2(NO3)2 as efficient catalyst for high-yield water splitting. Applied Catalysis B: Environmental, 2022, 317, 121684.	10.8	18
34	Recent engineering advances in nanocatalysts for NH3-to-H2 conversion technologies. Nano Energy, 2022, 94, 106929.	8.2	15
35	Cobalt-doped cerium oxide nanocrystals shelled 1D SnO2 structures for highly sensitive and selective xanthine detection in biofluids. Journal of Colloid and Interface Science, 2021, 600, 299-309.	5.0	11
36	Efficient synergism of NiO-NiSe2 nanosheet-based heterostructures shelled titanium nitride array for robust overall water splitting. Journal of Colloid and Interface Science, 2022, 612, 121-131.	5.0	10

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37	Multi-interfacial engineering of IrOx clusters coupled porous zinc Phosphide-Zinc phosphate heterostructure for efficient water splitting. Applied Surface Science, 2022, 600, 154206.	3.1	8
38	Mo and Zn-Dual doped CuxO nanocrystals confined High-Conductive Cu arrays as novel sensitive sensor for neurotransmitter detection. Journal of Colloid and Interface Science, 2022, 606, 1031-1041.	5.0	2
39	Transition metal nanoparticles as electrocatalysts for ORR, OER, and HER. , 2022, , 49-83.		0