

# Duy Thanh Tran

## List of Publications by Year in descending order

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39  
papers

2,253  
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201575

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Mo and Zn-Dual doped Cu <sub>2</sub> O 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
2	A Flexible and Transparent Zinc Nanofiber Network Electrode for Wearable Electrochromic, Rechargeable Zn-Ion Battery. Small, 2022, 18, e2104462.	5.2	50
3	Recent engineering advances in nanocatalysts for NH <sub>3</sub> -to-H <sub>2</sub> conversion technologies. Nano Energy, 2022, 94, 106929.	8.2	15
4	Efficient synergism of NiO-NiSe <sub>2</sub> 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
5	Transition metal nanoparticles as electrocatalysts for ORR, OER, and HER. , 2022, , 49-83.		0
6	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
7	Ni Single Atoms and Ni Phosphate Clusters Synergistically Triggered Surface-Functionalized MoS <sub>2</sub> Nanosheets for High-performance Freshwater and Seawater Electrolysis. Energy and Environmental Materials, 2022, 5, 1340-1349.	7.3	20
8	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
9	Atomic Heterointerface Engineering of Ni <sub>2</sub> P@NiSe <sub>2</sub> Nanosheets Coupled Zn-Based Arrays for High-Efficiency Solar-Assisted Water Splitting. Advanced Functional Materials, 2022, 32, .	7.8	49
10	Multi-interfacial engineering of IrO <sub>x</sub> clusters coupled porous zinc Phosphide-Zinc phosphate heterostructure for efficient water splitting. Applied Surface Science, 2022, 600, 154206.	3.1	8
11	Single platinum atoms implanted 2D lateral anion-intercalated metal hydroxides of Ni <sub>2</sub> (OH) <sub>2</sub> (NO <sub>3</sub> ) <sub>2</sub> as efficient catalyst for high-yield water splitting. Applied Catalysis B: Environmental, 2022, 317, 121684.	10.8	18
12	Recent progress on single atom/sub-nano electrocatalysts for energy applications. Progress in Materials Science, 2021, 115, 100711.	16.0	27
13	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
14	Recent advances in MXene-based nanocomposites for electrochemical energy storage applications. Progress in Materials Science, 2021, 117, 100733.	16.0	97
15	Rational Engineering Co <sub>x</sub> O <sub>y</sub> Nanosheets via Phosphorous and Sulfur Dual-Coupling for Enhancing Water Splitting and Zn-Air Battery. Advanced Functional Materials, 2021, 31, 2007822.	7.8	44
16	Hierarchical Co and Nb dual-doped MoS <sub>2</sub> nanosheets shelled micro-TiO <sub>2</sub> hollow spheres as effective multifunctional electrocatalysts for HER, OER, and ORR. Nano Energy, 2021, 82, 105750.	8.2	220
17	Single-Atom Co-Decorated MoS <sub>2</sub> Nanosheets Assembled on Metal Nitride Nanorod Arrays as an Efficient Bifunctional Electrocatalyst for pH-Universal Water Splitting. Advanced Functional Materials, 2021, 31, 2100233.	7.8	108
18	Dual-coupling ultrasmall iron-Ni <sub>2</sub> P into P-doped porous carbon sheets assembled Cu <sub>x</sub> S nanobrush arrays for overall water splitting. Nano Energy, 2021, 84, 105861.	8.2	62

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19	Bifunctional Catalyst Derived from Sulfur-Doped VMoO <sub>3</sub> Nanolayer Shelled Co Nanosheets for Efficient Water Splitting. ACS Applied Materials & Interfaces, 2021, 13, 42944-42956.	4.0	26
20	Cobalt-doped cerium oxide nanocrystals shelled 1D SnO <sub>2</sub> structures for highly sensitive and selective xanthine detection in biofluids. Journal of Colloid and Interface Science, 2021, 600, 299-309.	5.0	11
21	Ruthenium single atoms implanted continuous MoS <sub>2</sub> -Mo <sub>2</sub> C heterostructure for high-performance and stable water splitting. Nano Energy, 2021, 88, 106277.	8.2	68
22	Copper-Incorporated heterostructures of amorphous NiSe <sub>x</sub> /Crystalline NiSe <sub>2</sub> as an efficient electrocatalyst for overall water splitting. Chemical Engineering Journal, 2021, 422, 130048.	6.6	54
23	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
24	Highly Effective Freshwater and Seawater Electrolysis Enabled by Atomic Rh-Modulated Co-CoO Lateral Heterostructures. Small, 2021, 17, e2103826.	5.2	47
25	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
26	Ternary graphene-carbon nanofibers-carbon nanotubes structure for hybrid supercapacitor. Chemical Engineering Journal, 2020, 380, 122543.	6.6	157
27	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
28	Highly efficient overall water splitting over a porous interconnected network by nickel cobalt oxysulfide interfacial assembled Cu@Cu <sub>2</sub> S nanowires. Journal of Materials Chemistry A, 2020, 8, 14746-14756.	5.2	34
29	Rational Design of Core@shell Structured CoS <sub>x</sub> @Cu <sub>2</sub> MoS <sub>4</sub> Hybridized MoS <sub>2</sub> /N-Codoped Graphene as Advanced Electrocatalyst for Water Splitting and Zn-Air Battery. Advanced Energy Materials, 2020, 10, 1903289.	10.2	179
30	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
31	Hierarchical Cu@Cu <sub>x</sub> O 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
32	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
33	Hierarchically porous nickel-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
34	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
35	Constructing MoP <sub>x</sub> @MnP <sub>y</sub> 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
36	Pt nanodots monolayer modified mesoporous Cu@Cu <sub>x</sub> O nanowires for improved overall water splitting reactivity. Nano Energy, 2019, 59, 216-228.	8.2	107

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37	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
38	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
39	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