# Nhat Truong Nguyen

List of Publications by Year
in descending order

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|---|---|---|---|
| 64<br>papers | 2,929<br>citations | 126907<br>33<br>h-index | 168389<br>53<br>g-index |
| 68<br>all docs | 68<br>docs citations | 68<br>times ranked | 4129<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Enhanced CO<sub>2</sub> Photocatalysis by Indium Oxide Hydroxide Supported on TiN@TiO<sub>2</sub> Nanotubes. Nano Letters, 2021, 21, 1311-1319. | 9.1 | 35 |
| 2 | High temperature oxidation behaviour of AISI 321 stainless steel with an ultrafine-grained surface at 800â€¯Â°C in Arâ€“20 vol.% O2. Corrosion Science, 2020, 163, 108282. | 6.6 | 28 |
| 3 | Effects of low oxygen annealing on the photoelectrochemical water splitting properties of Î±-Fe<sub>2</sub>O<sub>3</sub>. Journal of Materials Chemistry A, 2020, 8, 1315-1325. | 10.3 | 48 |
| 4 | Li<sup>+</sup> Preâ€Insertion Leads to Formation of Solid Electrolyte Interface on TiO<sub>2</sub> Nanotubes That Enables Highâ€Performance Anodes for Sodium Ion Batteries. Advanced Energy Materials, 2020, 10, 1903448. | 19.5 | 35 |
| 5 | Activation of Î±â€Fe<sub>2</sub>O<sub>3</sub> for Photoelectrochemical Water Splitting Strongly Enhanced by Low Temperature Annealing in Low Oxygen Containing Ambient. Chemistry - A European Journal, 2020, 26, 2685-2692. | 3.3 | 46 |
| 6 | High-performance hydrogen evolution electrocatalysis using proton-intercalated TiO<sub>2</sub> nanotube arrays as interactive supports for Ir nanoparticles. Journal of Materials Chemistry A, 2020, 8, 22773-22790. | 10.3 | 29 |
| 7 | Longâ€Living Holes in Grey Anatase TiO<sub>2</sub> Enable Nobleâ€Metalâ€Free and Sacrificialâ€Agentâ€Free Water Splitting. ChemSusChem, 2020, 13, 4937-4944. | 6.8 | 18 |
| 8 | A High-Field Anodic NiO Nanosponge with Tunable Thickness for Application in p-Type Dye-Sensitized Solar Cells. ACS Applied Energy Materials, 2020, 3, 7865-7872. | 5.1 | 9 |
| 9 | Plasmonic Titanium Nitride Facilitates Indium Oxide CO<sub>2</sub> Photocatalysis. Small, 2020, 16, e2005754. | 10.0 | 32 |
| 10 | Bismuth atom tailoring of indium oxide surface frustrated Lewis pairs boosts heterogeneous CO2 photocatalytic hydrogenation. Nature Communications, 2020, 11, 6095. | 12.8 | 129 |
| 11 | Providing significantly enhanced photocatalytic H2 generation using porous PtPdAg alloy nanoparticles on spaced TiO2 nanotubes. International Journal of Hydrogen Energy, 2019, 44, 22962-22971. | 7.1 | 27 |
| 12 | Amorphous Moâ€“Ta Oxide Nanotubes for Long-Term Stable Mo Oxide-Based Supercapacitors. ACS Applied Materials & Interfaces, 2019, 11, 45665-45673. | 8.0 | 14 |
| 13 | Anodic Titanium Dioxide Nanotubes for Magnetically Guided Therapeutic Delivery. Scientific Reports, 2019, 9, 13439. | 3.3 | 28 |
| 14 | MoP-protected Mo oxide nanotube arrays for long-term stable supercapacitors. Applied Materials Today, 2019, 17, 227-235. | 4.3 | 17 |
| 15 | Dewetted Au Nanoparticles on TiO<sub>2</sub> Surfaces: Evidence of a Size-Independent Plasmonic Photoelectrochemical Response. Journal of Physical Chemistry C, 2019, 123, 16934-16942. | 3.1 | 26 |
| 16 | Intrinsic Au-decoration on anodic TiO2 nanotubes grown from metastable Tiâ€“Au sputtered alloysâ€”High density co-catalyst decoration enhances the photocatalytic H2 evolution. Applied Materials Today, 2019, 14, 118-125. | 4.3 | 21 |
| 17 | On the material characteristics of a high carbon cast austenitic stainless steel after solution annealing followed by quenching in a CNT nanofluid. International Journal of Materials Research, 2019, 110, 570-576. | 0.3 | 1 |
| 18 | Spaced Titania Nanotube Arrays Allow the Construction of an Efficient Nâ€Doped Hierarchical Structure for Visibleâ€Light Harvesting. ChemistryOpen, 2018, 7, 131-135. | 1.9 | 5 |

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|---|---|---|---|
| 19 | A Cocatalytic Electronâ€Transfer Cascade Siteâ€Selectively Placed on TiO<sub>2</sub> Nanotubes Yields Enhanced Photocatalytic H<sub>2</sub> Evolution. Advanced Functional Materials, 2018, 28, 1704259. | 14.9 | 83 |
| 20 | Efficient Preparation Process for TiO<sub>2</sub> Through-Hole Membranes with Ordered Hole Arrangements. Journal of the Electrochemical Society, 2018, 165, E763-E767. | 2.9 | 6 |
| 21 | Optimized Spacing between TiO<sub>2</sub> Nanotubes for Enhanced Light Harvesting and Charge Transfer. ChemElectroChem, 2018, 5, 3183-3190. | 3.4 | 26 |
| 22 | Intrinsic AuPt-alloy particles decorated on TiO2 nanotubes provide enhanced photocatalytic degradation. Electrochimica Acta, 2018, 292, 865-870. | 5.2 | 24 |
| 23 | Spaced TiO<sub>2</sub> Nanotubes Enable Optimized Pt Atomic Layer Deposition for Efficient Photocatalytic H<sub>2</sub> Generation. ChemistryOpen, 2018, 7, 797-802. | 1.9 | 12 |
| 24 | Hematite dodecahedron crystals with high-index facets grown and grafted on one dimensional structures for efficient photoelectrochemical H2 generation. Nano Energy, 2018, 50, 331-338. | 16.0 | 25 |
| 25 | Nanoporous AuPt and AuPtAg alloy co-catalysts formed by dewettingâ€“dealloying on an ordered TiO<sub>2</sub> nanotube surface lead to significantly enhanced photocatalytic H<sub>2</sub> generation. Journal of Materials Chemistry A, 2018, 6, 13599-13606. | 10.3 | 37 |
| 26 | A direct synthesis of platinum/nickel co-catalysts on titanium dioxide nanotube surface from hydrometallurgical-type process streams. Journal of Cleaner Production, 2018, 201, 39-48. | 9.3 | 24 |
| 27 | Forming a Highly Active, Homogeneously Alloyed AuPt Co-catalyst Decoration on TiO<sub>2</sub> Nanotubes Directly During Anodic Growth. ACS Applied Materials & Interfaces, 2018, 10, 18220-18226. | 8.0 | 37 |
| 28 | Highly Conducting Spaced TiO<sub>2</sub> Nanotubes Enable Defined Conformal Coating with Nanocrystalline Nb<sub>2</sub>O<sub>5</sub> and High Performance Supercapacitor Applications. Small, 2017, 13, 1603821. | 10.0 | 57 |
| 29 | Fast growth of TiO 2 nanotube arrays with controlled tube spacing based on a self-ordering process at two different scales. Electrochemistry Communications, 2017, 77, 98-102. | 4.7 | 34 |
| 30 | Enhanced Solar Water Splitting by Swift Charge Separation in Au/FeOOH Sandwiched Singleâ€Crystalline Fe<sub>2</sub>O<sub>3</sub> Nanoflake Photoelectrodes. ChemSusChem, 2017, 10, 2720-2727. | 6.8 | 60 |
| 31 | Optimizing TiO 2 nanotube morphology for enhanced photocatalytic H 2 evolution using single-walled and highly ordered TiO 2 nanotubes decorated with dewetted Au nanoparticles. Electrochemistry Communications, 2017, 79, 46-50. | 4.7 | 33 |
| 32 | Doubleâ€Side Coâ€Catalytic Activation of Anodic TiO<sub>2</sub> Nanotube Membranes with Sputterâ€Coated Pt for Photocatalytic H<sub>2</sub> Generation from Water/Methanol Mixtures. Chemistry - an Asian Journal, 2017, 12, 314-323. | 3.3 | 17 |
| 33 | Plasmon-induced hole-depletion layer on hematite nanoflake photoanodes for highly efficient solar water splitting. Nano Energy, 2017, 35, 171-178. | 16.0 | 93 |
| 34 | Black Magic in Gray Titania: Nobleâ€Metalâ€Free Photocatalytic H<sub>2</sub> Evolution from Hydrogenated Anatase. ChemSusChem, 2017, 10, 62-67. | 6.8 | 61 |
| 35 | Spaced TiO<sub>2</sub> nanotube arrays allow for a high performance hierarchical supercapacitor structure. Journal of Materials Chemistry A, 2017, 5, 1895-1901. | 10.3 | 62 |
| 36 | Synthesis of free-standing Ta<sub>3</sub>N<sub>5</sub>nanotube membranes and flow-through visible light photocatalytic applications. Chemical Communications, 2017, 53, 11763-11766. | 4.1 | 13 |

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| 37 | Hematite Photoanodes: Synergetic Enhancement of Light Harvesting and Charge Management by Sandwiched with Fe<sub>2</sub>TiO<sub>5</sub>/Fe<sub>2</sub>O<sub>3</sub>/Pt Structures. Advanced Functional Materials, 2017, 27, 1703527. | 14.9 | 96 |
| 38 | Semimetallic core-shell TiO 2 nanotubes as a high conductivity scaffold and use in efficient 3D-RuO 2 supercapacitors. Materials Today Energy, 2017, 6, 46-52. | 4.7 | 39 |
| 39 | Photoelectrochemical H<sub>2</sub> Generation from Suboxide TiO<sub>2</sub> Nanotubes: Visibleâ€Light Absorption versus Conductivity. Chemistry - A European Journal, 2017, 23, 12406-12411. | 3.3 | 51 |
| 40 | Aminated TiO 2 nanotubes as a photoelectrochemical water splitting photoanode. Catalysis Today, 2017, 281, 189-197. | 4.4 | 35 |
| 41 | Strongly Enhanced Water Splitting Performance of Ta<sub>3</sub>N<sub>5</sub> Nanotube Photoanodes with Subnitrides. Advanced Materials, 2016, 28, 2432-2438. | 21.0 | 106 |
| 42 | Noble Metals on Anodic TiO<sub>2</sub> Nanotube Mouths: Thermal Dewetting of Minimal Pt Coâ€Catalyst Loading Leads to Significantly Enhanced Photocatalytic H<sub>2</sub> Generation. Advanced Energy Materials, 2016, 6, 1501926. | 19.5 | 72 |
| 43 | Aligned metal oxide nanotube arrays: key-aspects of anodic TiO<sub>2</sub>nanotube formation and properties. Nanoscale Horizons, 2016, 1, 445-466. | 8.0 | 129 |
| 44 | TiO2nanotubes with laterally spaced ordering enable optimized hierarchical structures with significantly enhanced photocatalytic H2generation. Nanoscale, 2016, 8, 16868-16873. | 5.6 | 30 |
| 45 | Two-dimensional photonic crystals based on anodic porous TiO<sub>2</sub> with ideally ordered hole arrangement. Applied Physics Express, 2016, 9, 102001. | 2.4 | 7 |
| 46 | Templated dewetting: designing entirely self-organized platforms for photocatalysis. Chemical Science, 2016, 7, 6865-6886. | 7.4 | 98 |
| 47 | Fabrication of ideally ordered anodic porous TiO 2 by anodization of pretextured two-layered metals. Electrochemistry Communications, 2016, 72, 100-103. | 4.7 | 18 |
| 48 | A Facile Surface Passivation of Hematite Photoanodes with Iron Titanate Cocatalyst for Enhanced Water Splitting. ChemSusChem, 2016, 9, 2048-2053. | 6.8 | 33 |
| 49 | TiO<sub>2</sub> Nanotubes: Nitrogenâ€Ion Implantation at Low Dose Provides Nobleâ€Metalâ€Free Photocatalytic H<sub>2</sub>â€Evolution Activity. Angewandte Chemie, 2016, 128, 3827-3831. | 2.0 | 26 |
| 50 | TiO<sub>2</sub> Nanotubes: Nitrogenâ€Ion Implantation at Low Dose Provides Nobleâ€Metalâ€Free Photocatalytic H<sub>2</sub>â€Evolution Activity. Angewandte Chemie - International Edition, 2016, 55, 3763-3767. | 13.8 | 119 |
| 51 | Controlled spacing of self-organized anodic TiO2 nanotubes. Electrochemistry Communications, 2016, 69, 76-79. | 4.7 | 38 |
| 52 | Stable Coâ€Catalystâ€Free Photocatalytic H<sub>2</sub> Evolution From Oxidized Titanium Nitride Nanopowders. Angewandte Chemie - International Edition, 2015, 54, 13385-13389. | 13.8 | 38 |
| 53 | Enhanced Charge Transport in Tantalum Nitride Nanotube Photoanodes for Solar Water Splitting. ChemSusChem, 2015, 8, 2615-2620. | 6.8 | 40 |
| 54 | Plasmonâ€Enhanced Photoelectrochemical Water Splitting Using Au Nanoparticles Decorated on Hematite Nanoflake Arrays. ChemSusChem, 2015, 8, 618-622. | 6.8 | 46 |

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| 55 | Ideally ordered porous TiO2 prepared by anodization of pretextured Ti by nanoimprinting process. Electrochemistry Communications, 2015, 50, 73-76. | 4.7 | 44 |
| 56 | Hierarchical decoration of anodic TiO2 nanorods for enhanced photocatalytic degradation properties. Electrochimica Acta, 2015, 155, 244-250. | 5.2 | 5 |
| 57 | Efficient Photocatalytic H<sub>2</sub> Evolution: Controlled Dewettingâ€“Dealloying to Fabricate Siteâ€Selective Highâ€Activity Nanoporous Au Particles on Highly Ordered TiO<sub>2</sub> Nanotube Arrays. Advanced Materials, 2015, 27, 3208-3215. | 21.0 | 140 |
| 58 | Use of Anodic TiO<sub>2</sub> Nanotube Layers as Mesoporous Scaffolds for Fabricating CH<sub>3</sub>NH<sub>3</sub>PbI<sub>3</sub> Perovskiteâ€Based Solidâ€State Solar Cells. ChemElectroChem, 2015, 2, 824-828. | 3.4 | 39 |
| 59 | Tantalum Nitride Nanorod Arrays: Introducing Niâ€“Fe Layered Double Hydroxides as a Cocatalyst Strongly Stabilizing Photoanodes in Water Splitting. Chemistry of Materials, 2015, 27, 2360-2366. | 6.7 | 158 |
| 60 | â€œSuspendedâ€•Pt nanoparticles over TiO<sub>2</sub> nanotubes for enhanced photocatalytic H<sub>2</sub> evolution. Chemical Communications, 2014, 50, 9653-9656. | 4.1 | 67 |
| 61 | Anodic TiO2 nanotube layers: Why does self-organized growth occurâ€”A mini review. Electrochemistry Communications, 2014, 46, 157-162. | 4.7 | 165 |
| 62 | Extended self-ordering regime in hard anodization and its application to make asymmetric AAO membranes for large pitch-distance nanostructures. Nanotechnology, 2013, 24, 505304. | 2.6 | 13 |
| 63 | Formation behavior of nanoporous anodic aluminum oxide films in hot glycerol/phosphate electrolyte. Electrochimica Acta, 2012, 83, 288-293. | 5.2 | 19 |
| 64 | Magnetiteâ€free Snâ€doped hematite nanoflake layers for enhanced photoelectrochemical water splitting. ChemElectroChem, 0, , . | 3.4 | 2 |