

Kamel Eid

List of Publications by Year in descending order

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126708

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2340
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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Titanium Carbide (Ti ₃ C ₂ T _x) MXene Ornamented with Palladium Nanoparticles for Electrochemical CO Oxidation. <i>Electroanalysis</i> , 2022, 34, 677-683. | 1.5 | 24 |
| 2 | A review of MXenes as emergent materials for dye removal from wastewater. <i>Separation and Purification Technology</i> , 2022, 282, 120083. | 3.9 | 56 |
| 3 | Controlling the Interfacial Charge Polarization of MOF-Derived 2D vdW Architectures as a Unique Strategy for Bifunctional Oxygen Electrocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 3919-3929. | 4.0 | 63 |
| 4 | Engineering of Pt-based nanostructures for efficient dry (CO ₂) reforming: Strategy and mechanism for rich-hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 5901-5928. | 3.8 | 28 |
| 5 | Highly exfoliated Ti ₃ C ₂ T _x MXene nanosheets atomically doped with Cu for efficient electrochemical CO ₂ reduction: an experimental and theoretical study. <i>Journal of Materials Chemistry A</i> , 2022, 10, 1965-1975. | 5.2 | 60 |
| 6 | Porous ternary Pt-based branched nanostructures for electrocatalytic oxygen reduction. <i>Electrochemistry Communications</i> , 2022, 136, 107237. | 2.3 | 15 |
| 7 | Porous high-entropy alloys as efficient electrocatalysts for water-splitting reactions. <i>Electrochemistry Communications</i> , 2022, 136, 107207. | 2.3 | 29 |
| 8 | Cerium functionalized graphene nano-structures and their applications; A review. <i>Environmental Research</i> , 2022, 208, 112685. | 3.7 | 36 |
| 9 | Facile one-step aqueous-phase synthesis of porous PtBi nanospheres for efficient electrochemical methanol oxidation with a high CO tolerance. <i>Journal of Electroanalytical Chemistry</i> , 2022, 916, 116361. | 1.9 | 30 |
| 10 | Engineering of Transition Metal Sulfide Nanostructures as Efficient Electrodes for High-Performance Supercapacitors. <i>ACS Applied Energy Materials</i> , 2022, 5, 6481-6498. | 2.5 | 68 |
| 11 | Heteroatom-Doped Porous Carbon-Based Nanostructures for Electrochemical CO ₂ Reduction. <i>Nanomaterials</i> , 2022, 12, 2379. | 1.9 | 18 |
| 12 | Combination of Carbon Nitride and Semiconductors for the Enhancement of the Photocatalytic Degradation of Organic Pollutants and Hydrogen Production. <i>RSC Nanoscience and Nanotechnology</i> , 2021, , 318-370. | 0.2 | 0 |
| 13 | Graphitic Carbon Nitride Nanostructures as Potent Catalysts for Water Splitting: Theoretical Insights. <i>RSC Nanoscience and Nanotechnology</i> , 2021, , 127-173. | 0.2 | 2 |
| 14 | Engineering graphitic carbon nitride (g-C ₃ N ₄) for catalytic reduction of CO ₂ to fuels and chemicals: strategy and mechanism. <i>Green Chemistry</i> , 2021, 23, 5394-5428. | 4.6 | 109 |
| 15 | Data on the fabrication of hybrid calix [4]arene-modified natural bentonite clay for efficient selective removal of toxic metals from wastewater at room temperature. <i>Data in Brief</i> , 2021, 35, 106799. | 0.5 | 2 |
| 16 | Nitrogenization of Biomass-Derived Porous Carbon Microtubes Promotes Capacitive Deionization Performance. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 1645-1650. | 2.0 | 19 |
| 17 | Catalytic Methane Decomposition to Carbon Nanostructures and CO _x -Free Hydrogen: A Mini-Review. <i>Nanomaterials</i> , 2021, 11, 1226. | 1.9 | 41 |
| 18 | Efforts at Enhancing Bifunctional Electrocatalysis and Related Events for Rechargeable Zinc-Air Batteries. <i>ChemElectroChem</i> , 2021, 8, 3998-4018. | 1.7 | 36 |

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|----|---|-----|-----------|
| 19 | Recent Advances in Faradic Electrochemical Deionization: System Architectures <i>versus</i> Electrode Materials. ACS Nano, 2021, 15, 13924-13942. | 7.3 | 102 |
| 20 | Tuning the Intermolecular Electron Transfer of Low-Dimensional and Metal-Free BCN/C₆₀ Electrochemicals via Interfacial Defects for Efficient Hydrogen and Oxygen Electrochemistry. Journal of the American Chemical Society, 2021, 143, 1203-1215. | 6.6 | 140 |
| 21 | Tailoring the defects of sub-100 nm multipodal titanium nitride/oxyntiride nanotubes for efficient water splitting performance. Nanoscale Advances, 2021, 3, 5016-5026. | 2.2 | 21 |
| 22 | Recent Advances in the Controlled Design of One-dimensional Carbon Nitrides for Thermal CO Oxidation Reaction. RSC Nanoscience and Nanotechnology, 2021, , 1-37. | 0.2 | 1 |
| 23 | CHAPTER 3. Template-based Fabrication of Porous Carbon Nitride Nanostructures for Electrochemical Energy Conversion. RSC Nanoscience and Nanotechnology, 2021, , 80-126. | 0.2 | 1 |
| 24 | Efforts at Enhancing Bifunctional Electrocatalysis and Related Events for Rechargeable Zincâ€Air Batteries. ChemElectroChem, 2021, 8, 3996-3996. | 1.7 | 2 |
| 25 | Tailored fabrication of iridium nanoparticle-sensitized titanium oxynitride nanotubes for solar-driven water splitting: experimental insights on the photocatalyticâ€activityâ€defects relationship. Catalysis Science and Technology, 2020, 10, 801-809. | 2.1 | 33 |
| 26 | The Recent Advances in the Mechanical Properties of Self-Standing Two-Dimensional MXene-Based Nanostructures: Deep Insights into the Supercapacitor. Nanomaterials, 2020, 10, 1916. | 1.9 | 69 |
| 27 | Calix[4]arene-clicked clay through thiol-yne addition for the molecular recognition and removal of Cd(II) from wastewater. Separation and Purification Technology, 2020, 251, 117383. | 3.9 | 22 |
| 28 | Dry ice-mediated rational synthesis of edge-carboxylated crumpled graphene nanosheets for selective and prompt hydrolysis of cellulose and eucalyptus lignocellulose under ambient reaction conditions. Green Chemistry, 2020, 22, 5437-5446. | 4.6 | 39 |
| 29 | Smart design of exquisite multidimensional multilayered sand-clock-like upconversion nanostructures with ultrabright luminescence as efficient luminescence probes for bioimaging application. Mikrochimica Acta, 2020, 187, 527. | 2.5 | 12 |
| 30 | Data on the synthesis and characterizations of carboxylated carbon-based catalyst from eucalyptus as efficient and reusable catalysts for hydrolysis of eucalyptus. Data in Brief, 2020, 30, 105520. | 0.5 | 8 |
| 31 | Unveiling Fabrication and Environmental Remediation of MXene-Based Nanoarchitectures in Toxic Metals Removal from Wastewater: Strategy and Mechanism. Nanomaterials, 2020, 10, 885. | 1.9 | 64 |
| 32 | Unveiling One-Pot Template-Free Fabrication of Exquisite Multidimensional PtNi Multicube Nanoarchitectonics for the Efficient Electrochemical Oxidation of Ethanol and Methanol with a Great Tolerance for CO. ACS Applied Materials & Interfaces, 2020, 12, 31309-31318. | 4.0 | 73 |
| 33 | Rational synthesis, characterization, and application of environmentally friendly (polymerâ€carbon) Tj ETQq1 1 0.784314 rgBT /Over Sciences Europe, 2020, 32, . | 2.6 | 59 |
| 34 | Ultrahigh capacitive deionization performance by 3D interconnected MOF-derived nitrogen-doped carbon tubes. Chemical Engineering Journal, 2020, 390, 124493. | 6.6 | 191 |
| 35 | Unveiling one-pot scalable fabrication of reusable carboxylated heterogeneous carbon-based catalysts from eucalyptus plant with the assistance of dry ice for selective hydrolysis of eucalyptus biomass. Renewable Energy, 2020, 153, 998-1004. | 4.3 | 27 |
| 36 | Precise fabrication of porous one-dimensional gC3N4 nanotubes doped with Pd and Cu atoms for efficient CO oxidation and CO2 reduction. Inorganic Chemistry Communication, 2019, 107, 107460. | 1.8 | 49 |

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|----|---|-----|-----------|
| 37 | Data on structural and composition-related merits of gC3N4 nanofibres doped and undoped with Au/Pd at the atomic level for efficient catalytic CO oxidation. Data in Brief, 2019, 27, 104734. | 0.5 | 9 |
| 38 | Novel Enzyme-Free Multifunctional Bentonite/Polypyrrole/Silver Nanocomposite Sensor for Hydrogen Peroxide Detection over a Wide pH Range. Sensors, 2019, 19, 4442. | 2.1 | 9 |
| 39 | Data on the catalytic CO oxidation and CO2 reduction durability on gC3N4 nanotubes Co-doped atomically with Pd and Cu. Data in Brief, 2019, 26, 104495. | 0.5 | 19 |
| 40 | Rational synthesis of one-dimensional carbon nitride-based nanofibers atomically doped with Au/Pd for efficient carbon monoxide oxidation. International Journal of Hydrogen Energy, 2019, 44, 17943-17953. | 3.8 | 51 |
| 41 | Rational synthesis of three-dimensional core-shell double shell upconversion nanodendrites with ultrabright luminescence for bioimaging application. Chemical Science, 2019, 10, 7591-7599. | 3.7 | 27 |
| 42 | Unraveling template-free fabrication of carbon nitride nanorods codoped with Pt and Pd for efficient electrochemical and photoelectrochemical carbon monoxide oxidation at room temperature. Nanoscale, 2019, 11, 11755-11764. | 2.8 | 62 |
| 43 | Rational Synthesis of Porous Graphitic-like Carbon Nitride Nanotubes Codoped with Au and Pd as an Efficient Catalyst for Carbon Monoxide Oxidation. Langmuir, 2019, 35, 3421-3431. | 1.6 | 51 |
| 44 | One-pot synthesis of bimetallic PdCu nanoframes as an efficient catalyst for the methanol oxidation reaction. New Journal of Chemistry, 2018, 42, 798-801. | 1.4 | 26 |
| 45 | Versatile Synthesis of Pd and Cu Co-Doped Porous Carbon Nitride Nanowires for Catalytic CO Oxidation Reaction. Catalysts, 2018, 8, 411. | 1.6 | 17 |
| 46 | Fabrication of Mesoporous Cage-Bell Pt Nanoarchitectonics as Efficient Catalyst for Oxygen Reduction Reaction. ACS Sustainable Chemistry and Engineering, 2018, 6, 11768-11774. | 3.2 | 69 |
| 47 | Controlled design of PtPd nanodendrite ornamented niobium oxynitride nanosheets for solar-driven water splitting. New Journal of Chemistry, 2018, 42, 14239-14245. | 1.4 | 5 |
| 48 | One-pot synthesis of PtIr tripods with a dendritic surface as an efficient catalyst for the oxygen reduction reaction. Journal of Materials Chemistry A, 2017, 5, 9107-9112. | 5.2 | 58 |
| 49 | Highly active, durable and pH-universal hybrid oxide nanocrystals for efficient oxygen evolution. Sustainable Energy and Fuels, 2017, 1, 1123-1129. | 2.5 | 18 |
| 50 | Rational design of porous binary Pt-based nanodendrites as efficient catalysts for direct glucose fuel cells over a wide pH range. Catalysis Science and Technology, 2017, 7, 2819-2827. | 2.1 | 53 |
| 51 | A Three-Dimensionally Structured Electrocatalyst: Cobalt-Embedded Nitrogen-Doped Carbon Nanotubes/Nitrogen-Doped Reduced Graphene Oxide Hybrid for Efficient Oxygen Reduction. Chemistry - A European Journal, 2017, 23, 637-643. | 1.7 | 50 |
| 52 | One-pot synthesis of PtRu nanodendrites as efficient catalysts for methanol oxidation reaction. Nanoscale, 2017, 9, 1033-1039. | 2.8 | 163 |
| 53 | Rational one-step synthesis of porous PtPdRu nanodendrites for ethanol oxidation reaction with a superior tolerance for CO-poisoning. Nanoscale, 2017, 9, 18881-18889. | 2.8 | 73 |
| 54 | Nanoarchitectonic Metals. , 2017, , 135-171. | | 15 |

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|----|--|-----|-----------|
| 55 | Chapter 4 Mesoporous Structured Electrocatalysts for Fuel Cells. , 2017, , 152-220. | | 0 |
| 56 | Hydrogen gas-assisted synthesis of worm-like PtMo wavy nanowires as efficient catalysts for the methanol oxidation reaction. Journal of Materials Chemistry A, 2016, 4, 10508-10513. | 5.2 | 61 |
| 57 | Facile Synthesis of Porous Dendritic Bimetallic Platinum-Nickel Nanocrystals as Efficient Catalysts for the Oxygen Reduction Reaction. Chemistry - an Asian Journal, 2016, 11, 1388-1393. | 1.7 | 50 |
| 58 | Synthesis of Hollow Platinum-Palladium Nanospheres with a Dendritic Shell as Efficient Electrocatalysts for Methanol Oxidation. Chemistry - an Asian Journal, 2016, 11, 1939-1944. | 1.7 | 42 |
| 59 | Gaseous NH ₃ Confers Porous Pt Nanodendrites Assisted by Halides. Scientific Reports, 2016, 6, 26196. | 1.6 | 11 |
| 60 | One-Step Synthesis of Dendritic Bimetallic PtPd Nanoparticles on Reduced Graphene Oxide and Its Electrocatalytic Properties. Electrochimica Acta, 2016, 188, 845-851. | 2.6 | 88 |
| 61 | Shape-controlled synthesis of porous AuPt nanoparticles and their superior electrocatalytic activity for oxygen reduction reaction. Science and Technology of Advanced Materials, 2016, 17, 58-62. | 2.8 | 21 |
| 62 | One-step solution-phase synthesis of bimetallic PtCo nanodendrites with high electrocatalytic activity for oxygen reduction reaction. Journal of Electroanalytical Chemistry, 2016, 779, 250-255. | 1.9 | 44 |
| 63 | Nanoparticle in Nanocage: Au@Porous Pt Yolk-Shell Nanoelectrocatalysts. Particle and Particle Systems Characterization, 2015, 32, 863-868. | 1.2 | 38 |
| 64 | One-step synthesis of trimetallic Pt-Pd-Ru nanodendrites as highly active electrocatalysts. RSC Advances, 2015, 5, 31147-31152. | 1.7 | 58 |
| 65 | Trimetallic PtPdRu Dendritic Nanocages with Three-Dimensional Electrocatalytic Surfaces. Journal of Physical Chemistry C, 2015, 119, 19947-19953. | 1.5 | 84 |
| 66 | One-step synthesis of porous bimetallic PtCu nanocrystals with high electrocatalytic activity for methanol oxidation reaction. Nanoscale, 2015, 7, 16860-16866. | 2.8 | 112 |
| 67 | Sustained broad-spectrum antibacterial effects of nanoliposomes loaded with silver nanoparticles. Nanomedicine, 2014, 9, 1301-1310. | 1.7 | 22 |
| 68 | Controlled synthesis and characterization of hollow flower-like silver nanostructures. International Journal of Nanomedicine, 2012, 7, 1543. | 3.3 | 21 |
| 69 | Calcium Phosphate Scaffold Loaded with Platinum Nanoparticles for Bone Allograft. American Journal of Biomedical Sciences, 0, , 242-249. | 0.2 | 14 |
| 70 | Laser Surface Modification of Poly (ε-caprolactone) Scaffold for Artificial Skin Applications. American Journal of Biomedical Sciences, 0, , 1-13. | 0.2 | 2 |