

# Kamel Eid

## List of Publications by Year in descending order

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70  
papers

3,003  
citations

126907

33  
h-index

168389

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73  
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73  
docs citations

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times ranked

2340  
citing authors

#	ARTICLE	IF	CITATIONS
1	Titanium Carbide (Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> ) MXene Ornamented with Palladium Nanoparticles for Electrochemical CO Oxidation. <i>Electroanalysis</i> , 2022, 34, 677-683.	2.9	24
2	A review of MXenes as emergent materials for dye removal from wastewater. <i>Separation and Purification Technology</i> , 2022, 282, 120083.	7.9	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 &amp; Interfaces</i> , 2022, 14, 3919-3929.	8.0	63
4	Engineering of Pt-based nanostructures for efficient dry (CO <sub>2</sub> ) reforming: Strategy and mechanism for rich-hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 5901-5928.	7.1	28
5	Highly exfoliated Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene nanosheets atomically doped with Cu for efficient electrochemical CO <sub>2</sub> reduction: an experimental and theoretical study. <i>Journal of Materials Chemistry A</i> , 2022, 10, 1965-1975.	10.3	60
6	Porous ternary Pt-based branched nanostructures for electrocatalytic oxygen reduction. <i>Electrochemistry Communications</i> , 2022, 136, 107237.	4.7	15
7	Porous high-entropy alloys as efficient electrocatalysts for water-splitting reactions. <i>Electrochemistry Communications</i> , 2022, 136, 107207.	4.7	29
8	Cerium functionalized graphene nano-structures and their applications; A review. <i>Environmental Research</i> , 2022, 208, 112685.	7.5	36
9	Facile one-step aqueous-phase synthesis of porous PtBi nanosponges for efficient electrochemical methanol oxidation with a high CO tolerance. <i>Journal of Electroanalytical Chemistry</i> , 2022, 916, 116361.	3.8	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.	5.1	68
11	Heteroatom-Doped Porous Carbon-Based Nanostructures for Electrochemical CO <sub>2</sub> Reduction. <i>Nanomaterials</i> , 2022, 12, 2379.	4.1	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 <sub>3</sub> N <sub>4</sub> ) for catalytic reduction of CO <sub>2</sub> to fuels and chemicals: strategy and mechanism. <i>Green Chemistry</i> , 2021, 23, 5394-5428.	9.0	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.	1.0	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.	3.2	19
17	Catalytic Methane Decomposition to Carbon Nanostructures and CO <sub>x</sub> -Free Hydrogen: A Mini-Review. <i>Nanomaterials</i> , 2021, 11, 1226.	4.1	41
18	Efforts at Enhancing Bifunctional Electrocatalysis and Related Events for Rechargeable Zinc-Air Batteries. <i>ChemElectroChem</i> , 2021, 8, 3998-4018.	3.4	36

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19	Recent Advances in Faradic Electrochemical Deionization: System Architectures versus Electrode Materials. ACS Nano, 2021, 15, 13924-13942.	14.6	102
20	Tuning the Intermolecular Electron Transfer of Low-Dimensional and Metal-Free BCN/C <sub>60</sub> Electro catalysts via Interfacial Defects for Efficient Hydrogen and Oxygen Electrochemistry. Journal of the American Chemical Society, 2021, 143, 1203-1215.	13.7	140
21	Tailoring the defects of sub-100 nm multipodal titanium nitride/oxy nitride nanotubes for efficient water splitting performance. Nanoscale Advances, 2021, 3, 5016-5026.	4.6	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 Zinc-Air Batteries. ChemElectroChem, 2021, 8, 3996-3996.	3.4	2
25	Tailored fabrication of iridium nanoparticle-sensitized titanium oxynitride nanotubes for solar-driven water splitting: experimental insights on the photocatalytic "activity-defects relationship. Catalysis Science and Technology, 2020, 10, 801-809.	4.1	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.	4.1	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.	7.9	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.	9.0	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.	5.0	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.	1.0	8
31	Unveiling Fabrication and Environmental Remediation of MXene-Based Nanoarchitectures in Toxic Metals Removal from Wastewater: Strategy and Mechanism. Nanomaterials, 2020, 10, 885.	4.1	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.	8.0	73
33	Rational synthesis, characterization, and application of environmentally friendly (polymer-carbon) Tj ETQq1 1 0.784314 rgBT /Over Sciences Europe, 2020, 32, .	5.5	59
34	Ultrahigh capacitive deionization performance by 3D interconnected MOF-derived nitrogen-doped carbon tubes. Chemical Engineering Journal, 2020, 390, 124493.	12.7	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.	8.9	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.	3.9	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.	1.0	9
38	Novel Enzyme-Free Multifunctional Bentonite/Polypyrrole/Silver Nanocomposite Sensor for Hydrogen Peroxide Detection over a Wide pH Range. Sensors, 2019, 19, 4442.	3.8	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.	1.0	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.	7.1	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.	7.4	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.	5.6	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.	3.5	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.	2.8	26
45	Versatile Synthesis of Pd and Cu Co-Doped Porous Carbon Nitride Nanowires for Catalytic CO Oxidation Reaction. Catalysts, 2018, 8, 411.	3.5	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.	6.7	69
47	Controlled design of PtPd nanodendrite ornamented niobium oxynitride nanosheets for solar-driven water splitting. New Journal of Chemistry, 2018, 42, 14239-14245.	2.8	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.	10.3	58
49	Highly active, durable and pH-universal hybrid oxide nanocrystals for efficient oxygen evolution. Sustainable Energy and Fuels, 2017, 1, 1123-1129.	4.9	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.	4.1	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.	3.3	50
52	One-pot synthesis of PtRu nanodendrites as efficient catalysts for methanol oxidation reaction. Nanoscale, 2017, 9, 1033-1039.	5.6	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.	5.6	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.	10.3	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.	3.3	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.	3.3	42
59	Gaseous NH <sub>3</sub> Confers Porous Pt Nanodendrites Assisted by Halides. Scientific Reports, 2016, 6, 26196.	3.3	11
60	One-Step Synthesis of Dendritic Bimetallic PtPd Nanoparticles on Reduced Graphene Oxide and Its Electrocatalytic Properties. Electrochimica Acta, 2016, 188, 845-851.	5.2	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.	6.1	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.	3.8	44
63	Nanoparticle in Nanocage: Au@Porous Pt Yolk-Shell Nanoelectrocatalysts. Particle and Particle Systems Characterization, 2015, 32, 863-868.	2.3	38
64	One-step synthesis of trimetallic Pt-Pd-Ru nanodendrites as highly active electrocatalysts. RSC Advances, 2015, 5, 31147-31152.	3.6	58
65	Trimetallic PtPdRu Dendritic Nanocages with Three-Dimensional Electrocatalytic Surfaces. Journal of Physical Chemistry C, 2015, 119, 19947-19953.	3.1	84
66	One-step synthesis of porous bimetallic PtCu nanocrystals with high electrocatalytic activity for methanol oxidation reaction. Nanoscale, 2015, 7, 16860-16866.	5.6	112
67	Sustained broad-spectrum antibacterial effects of nanoliposomes loaded with silver nanoparticles. Nanomedicine, 2014, 9, 1301-1310.	3.3	22
68	Controlled synthesis and characterization of hollow flower-like silver nanostructures. International Journal of Nanomedicine, 2012, 7, 1543.	6.7	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