

CITATION REPORT

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Photoassisted enhancement of the electrocatalytic oxidation of formic acid on platinized TiO₂ nanotubes

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ACS Applied Materials & Interfaces, 2014, 6, 5585-94.

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#	Paper	IF	Citations
37	Visible-light-assisted electrocatalytic oxidation of methanol using reduced graphene oxide modified Pt nanoflowers-TiO ₂ nanotube arrays. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 17753-61	9.5	101
36	Nitrogen-doped carbon-TiO ₂ composite as support of Pd electrocatalyst for formic acid oxidation. <i>Journal of Power Sources</i> , 2015 , 284, 186-193	8.9	28
35	Charge transfer behavior of graphene-titania photoanode in CO ₂ photoelectrocatalysis process. <i>Applied Surface Science</i> , 2015 , 339, 22-27	6.7	19
34	Novel Photoelectrocatalytic Electrodes Materials for Fuel Cell Reactions. 2016 , 435-456		3
33	Enhanced Photo-Electrochemical Performance of Reduced Graphene-Oxide Wrapped TiO ₂ Multi-Leg Nanotubes. <i>Journal of the Electrochemical Society</i> , 2016 , 163, H652-H656	3.9	12
32	Porous AgPt@Pt Nanooctahedra as an Efficient Catalyst toward Formic Acid Oxidation with Predominant Dehydrogenation Pathway. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 31076-31082	9.5	56
31	Light-harvesting Ni/TiO ₂ nanotubes as photo-electrocatalyst for alcohol oxidation in alkaline media. <i>Electrochimica Acta</i> , 2016 , 206, 388-399	6.7	26
30	A photoelectrochemical methanol fuel cell based on aligned TiO ₂ nanorods decorated graphene photoanode. <i>Chemical Communications</i> , 2016 , 52, 2533-6	5.8	31
29	High Efficiency Photoelectrocatalytic Methanol Oxidation on CdS Quantum Dots Sensitized Pt Electrode. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 5972-80	9.5	105
28	Insights into photo-activated electrode for boosting electrocatalytic methanol oxidation based on ultrathin MoS ₂ nanosheets wrapped CdS nanowires. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 5006-5015	6.7	38
27	Palladium Bifunctional catalysts based on ordered titanium dioxide nanorod arrays with high catalytic performance for formic acid electro-oxidation. <i>RSC Advances</i> , 2017 , 7, 11719-11723	3.7	15
26	Applied photoelectrocatalysis on the degradation of organic pollutants in wastewaters. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2017 , 31, 1-35	16.4	411
25	Photoelectrochemical and spectroscopical surface analysis of TiO ₂ nanorods/Ag nanoparticles toward organic carboxylic acids oxidation. <i>Journal of Solid State Electrochemistry</i> , 2017 , 21, 1805-1816	2.6	2
24	High-Performance Visible-Light-Driven Pt/CdS/Graphene Photoelectrocatalysts for Methanol Oxidation. <i>Energy Technology</i> , 2017 , 5, 1292-1299	3.5	9
23	Facile synthesis of Pt nanoparticles supported on anatase TiO ₂ nanotubes with good photo-electrocatalysis performance for methanol. <i>RSC Advances</i> , 2017 , 7, 56194-56203	3.7	11
22	Fabrication and photo-electrocatalytic activity of black TiO ₂ embedded Ti/PbO ₂ electrode. <i>Journal of Applied Electrochemistry</i> , 2017 , 47, 1045-1056	2.6	9
21	Ultrathin graphitic C ₃ N ₄ nanosheet as a promising visible-light-activated support for boosting photoelectrocatalytic methanol oxidation. <i>Applied Catalysis B: Environmental</i> , 2017 , 203, 108-115	21.8	179

20	Fabrication of Au nanoparticle/TiO ₂ hybrid films for photoelectrocatalytic degradation of methyl orange. <i>Journal of Alloys and Compounds</i> , 2017 , 692, 727-733	5.7	46
19	Surfactant-assisted formation of silver titanates as active catalysts for methanol electro-oxidation. <i>Applied Catalysis A: General</i> , 2017 , 547, 205-213	5.1	9
18	High-Performance Silicon Photoanode Using Nickel/Iron as Catalyst for Efficient Ethanol Oxidation Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 4231-4238	8.3	13
17	Enhanced Photoinduced Electrocatalytic Oxidation of Methanol Using Pt Nanoparticle-Decorated TiO ₂ -Polyaniline Ternary Nanofibers. <i>ACS Omega</i> , 2018 , 3, 17778-17788	3.9	19
16	Photochemical Synthesis of Radiate Titanium Oxide Microrods Arrays Supporting Platinum Nanoparticles for Photoassisted Electrooxidation of Methanol. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800748	4.6	6
15	Active composite photocatalyst synthesized from inactive Rh & Sb doped TiO ₂ nanorods: Enhanced degradation of organic pollutants & antibacterial activity under visible light irradiation. <i>Applied Catalysis A: General</i> , 2018 , 564, 43-55	5.1	32
14	Crystalline Ru Se Nanoparticles-Decorated TiO ₂ Nanotube Arrays for Enhanced Hydrogen Evolution Reaction. <i>Small</i> , 2018 , 14, e1802132	11	33
13	Enhancing Electroreduction of CO ₂ to Formate of Pd Catalysts Loaded on TiO ₂ Nanotubes Arrays by N, B-Support Modification. <i>ChemistrySelect</i> , 2019 , 4, 8626-8633	1.8	5
12	Conformal Solution Deposition of Pt-Pd Titania Nanocomposite Coatings for Light-Assisted Formic Acid Electro-Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 43081-43092	9.5	11
11	Study on the fabrication and photoelectrochemical performance of the F ₂ -doped Ti/Co ₃ O ₄ electrodes with n-type semiconductor characteristics. <i>Journal of Solid State Electrochemistry</i> , 2019 , 23, 1767-1777	2.6	10
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9	Photocatalytic reduction of carbon dioxide using graphene oxide wrapped TiO ₂ nanotubes. <i>Applied Surface Science</i> , 2019 , 485, 48-55	6.7	38
8	Construction of Pt/graphitic C ₃ N ₄ /MoS ₂ heterostructures on photo-enhanced electrocatalytic oxidation of small organic molecules. <i>Applied Catalysis B: Environmental</i> , 2019 , 243, 283-293	21.8	92
7	High performance formic acid fuel cell benefits from PdPdO catalyst supported by ordered mesoporous carbon. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 29235-29245	6.7	17
6	Mineralization of formic acid from catalytic nitrate reduction effluent by UV-based and electrochemical processes. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104127	6.8	3
5	Recent Progress on Photo-Promoted Alcohol Electrooxidation for Fuel Cells. <i>Energy Technology</i> , 2021 , 9, 2000842	3.5	5
4	Titanium dioxide as support material for Pt ₁ Pd ₃ toward methanol oxidation. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 5390-5397	6.7	2
3	Photo-responsive metal/semiconductor hybrid nanostructure: A promising electrocatalyst for solar light enhanced fuel cell reaction. <i>Chinese Chemical Letters</i> , 2021 , 32, 1348-1358	8.1	34

- 2 A review of g-C₃N₄ based catalysts for direct methanol fuel cells. *International Journal of Hydrogen Energy*, **2021**, 6.7 4
- 1 Pd(1 1 1)/SnO₂(1 0 1) heterostructure on porous N-carbon material as enhanced catalyst for formic acid electrooxidation. *Applied Surface Science*, **2021**, 151922 6.7 0