

# High-Yield Electrochemical Production of Formaldehyde from Seawater

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Polyethylenimine-Enhanced Electrocatalytic Reduction of CO <sub>2</sub> to Formate at Nitrogen-Doped Carbon Nanomaterials. <i>Journal of the American Chemical Society</i> , 2014, 136, 7845-7848.	6.6	591
3	Diamond functionalization with light-harvesting molecular wires: improved surface coverage by optimized Suzuki cross-coupling conditions. <i>RSC Advances</i> , 2014, 4, 42044-42053.	1.7	21
4	Reactions of an Isolable Dialkylsilylene with Carbon Dioxide and Related Heterocumulenes. <i>Organometallics</i> , 2014, 33, 5434-5439.	1.1	57
5	Retarding of electrochemical oxidation of formate on the platinum anode by a coat of Nafion membrane. <i>Journal of Power Sources</i> , 2014, 272, 303-310.	4.0	21
6	Electrochemical CO <sub>2</sub> Reduction: Recent Advances and Current Trends. <i>Israel Journal of Chemistry</i> , 2014, 54, 1451-1466.	1.0	356
7	Versatile Simple Doping Technique for Diamond by Solid Dopant Source Immersion during Microwave Plasma CVD. <i>Chemistry Letters</i> , 2014, 43, 1569-1571.	0.7	3
8	Electrocatalytic Production of C <sub>3</sub> -C <sub>4</sub> Compounds by Conversion of CO <sub>2</sub> on a Chloride-Induced Biphasic Cu <sub>2</sub> O-Cu Catalyst. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14701-14705.	7.2	243
11	Electrocatalytic Carbon Dioxide Reduction by Using Cationic Pentamethylcyclopentadienyl-Iridium Complexes with Unsymmetrically Substituted Bipyridine Ligands. <i>Chemistry - A European Journal</i> , 2015, 21, 6564-6571.	1.7	28
12	Transformation of Carbon Dioxide by Diamond Powders. <i>Hosokawa Powder Technology Foundation ANNUAL REPORT</i> , 2015, 23, 114-118.	0.0	0
13	From molecular copper complexes to composite electrocatalytic materials for selective reduction of CO <sub>2</sub> to formic acid. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3901-3907.	5.2	69
14	Electrolyte Dependence of CO <sub>2</sub> Electroreduction: Tetraalkylammonium Ions Are Not Electrocatalysts. <i>ACS Catalysis</i> , 2015, 5, 703-707.	5.5	40
15	Efficient Electrochemical CO <sub>2</sub> Conversion Powered by Renewable Energy. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 15626-15632.	4.0	189
16	Electrochemical reduction of CO <sub>2</sub> to HCOOH using zinc and cobalt oxide as electrocatalysts. <i>New Journal of Chemistry</i> , 2015, 39, 7348-7354.	1.4	32
17	An Iron Electrocatalyst for Selective Reduction of CO <sub>2</sub> to Formate in Water: Including Thermochemical Insights. <i>ACS Catalysis</i> , 2015, 5, 7140-7151.	5.5	177
18	Efficient Electrochemical Reduction of Carbon Dioxide to Acetate on Nitrogen-Doped Nanodiamond. <i>Journal of the American Chemical Society</i> , 2015, 137, 11631-11636.	6.6	458
19	Metal-free boron-doped graphene for selective electroreduction of carbon dioxide to formic acid/formate. <i>Chemical Communications</i> , 2015, 51, 16061-16064.	2.2	239
20	Revealing the Origin of Activity in Nitrogen-Doped Nanocarbons towards Electrocatalytic Reduction of Carbon Dioxide. <i>ChemSusChem</i> , 2016, 9, 1085-1089.	3.6	143
21	High production of CH <sub>4</sub> and H <sub>2</sub> by reducing PET waste water using a non-diaphragm-based electrochemical method. <i>Scientific Reports</i> , 2016, 6, 20512.	1.6	3

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39	Fabrication of a Microfluidic Device with Boron-doped Diamond Electrodes for Electrochemical Analysis. Electrochimica Acta, 2016, 197, 159-166.	2.6	16

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40	Toward the Development and Deployment of Large-Scale Carbon Dioxide Capture and Conversion Processes. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 3383-3419.	1.8	205
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59	Liquid Hydrocarbon Production from CO <sub>2</sub> : Recent Development in Metal-Based Electrocatalysis. <i>ChemSusChem</i> , 2017, 10, 4342-4358.	3.6	54
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77	Oxygen Vacancies in ZnO Nanosheets Enhance CO <sub>2</sub> Electrochemical Reduction to CO. <i>Angewandte Chemie</i> , 2018, 130, 6162-6167.	1.6	122
78	Oxygen Vacancies in ZnO Nanosheets Enhance CO <sub>2</sub> Electrochemical Reduction to CO. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6054-6059.	7.2	564
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135	Electrochemical Carbon Dioxide Splitting. <i>ChemElectroChem</i> , 2019, 6, 1587-1604.	1.7	22
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141	Unveiling Electrochemical Reaction Pathways of CO <sub>2</sub> Reduction to C <sub>N</sub> Species at S <sub>v</sub> Vacancies of MoS <sub>2</sub> . <i>ChemSusChem</i> , 2019, 12, 2671-2678.	3.6	25
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