

Marthe E M Buan

List of Publications by Year in descending order

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17
papers

964
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566801

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1489
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#	ARTICLE	IF	CITATIONS
1	Electrochemical syngas production from CO ₂ and water with CNT supported ZnO catalysts. <i>Catalysis Today</i> , 2021, 364, 172-181.	2.2	7
2	Active sites for the oxygen reduction reaction in nitrogen-doped carbon nanofibers. <i>Catalysis Today</i> , 2020, 357, 248-258.	2.2	28
3	A platinum nanowire electrocatalyst on single-walled carbon nanotubes to drive hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2020, 265, 118582.	10.8	31
4	Carbon corrosion properties and performance of multi-walled carbon nanotube support with and without nitrogen-functionalization in fuel cell electrodes. <i>Electrochimica Acta</i> , 2020, 332, 135384.	2.6	42
5	Is the H ₂ economy realizable in the foreseeable future? Part III: H ₂ usage technologies, applications, and challenges and opportunities. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 28217-28239.	3.8	139
6	High Performance Hydrogen Evolution Reaction Catalyst Based on Single-Walled Carbon Nanotubes Decorated by RuO _x Nanoparticles. <i>ChemElectroChem</i> , 2020, 7, 2651-2659.	1.7	10
7	Is the H ₂ economy realizable in the foreseeable future? Part II: H ₂ storage, transportation, and distribution. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 20693-20708.	3.8	129
8	Is the H ₂ economy realizable in the foreseeable future? Part I: H ₂ production methods. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 13777-13788.	3.8	186
9	Flexible and Mechanically Durable Asymmetric Supercapacitor Based on NiCo-Layered Double Hydroxide and Nitrogen-Doped Graphene Using a Simple Fabrication Method. <i>Energy Technology</i> , 2019, 7, 1801002.	1.8	23
10	Evaluation of ORR active sites in nitrogen-doped carbon nanofibers by KOH post treatment. <i>Catalysis Today</i> , 2018, 301, 11-16.	2.2	36
11	Nitrogen-Doped Carbon Nanofibers for the Oxygen Reduction Reaction: Importance of the Iron Growth Catalyst Phase. <i>ChemCatChem</i> , 2017, 9, 1663-1674.	1.8	17
12	Enhancing capacitance of supercapacitor with both organic electrolyte and ionic liquid electrolyte on a biomass-derived carbon. <i>RSC Advances</i> , 2017, 7, 23859-23865.	1.7	87
13	Nitrogen-doped carbon nanofiber catalyst for ORR in PEM fuel cell stack: Performance, durability and market application aspects. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 17616-17630.	3.8	36
14	Boosted Supercapacitive Energy with High Rate Capability of a Carbon Framework with Hierarchical Pore Structure in an Ionic Liquid. <i>ChemSusChem</i> , 2016, 9, 3093-3101.	3.6	33
15	Nitrogen-doped carbon nanofibers on expanded graphite as oxygen reduction electrocatalysts. <i>Carbon</i> , 2016, 101, 191-202.	5.4	62
16	One-step electrochemical synthesis of tunable nitrogen-doped graphene. <i>Journal of Materials Chemistry A</i> , 2016, 4, 1233-1243.	5.2	69
17	Coaxial Carbon/Metal Oxide/Aligned Carbon Nanotube Arrays as High-Performance Anodes for Lithium Ion Batteries. <i>ChemSusChem</i> , 2014, 7, 1335-1346.	3.6	29