

Marthe E M Buan

List of Publications by Year in descending order

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17
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964
citations

566801

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887659

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docs citations

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times ranked

1489
citing authors

#	ARTICLE	IF	CITATIONS
1	Is the H2 economy realizable in the foreseeable future? Part I: H2 production methods. International Journal of Hydrogen Energy, 2020, 45, 13777-13788.	3.8	186
2	Is the H2 economy realizable in the foreseeable future? Part III: H2 usage technologies, applications, and challenges and opportunities. International Journal of Hydrogen Energy, 2020, 45, 28217-28239.	3.8	139
3	Is the H2 economy realizable in the foreseeable future? Part II: H2 storage, transportation, and distribution. International Journal of Hydrogen Energy, 2020, 45, 20693-20708.	3.8	129
4	Enhancing capacitance of supercapacitor with both organic electrolyte and ionic liquid electrolyte on a biomass-derived carbon. RSC Advances, 2017, 7, 23859-23865.	1.7	87
5	One-step electrochemical synthesis of tunable nitrogen-doped graphene. Journal of Materials Chemistry A, 2016, 4, 1233-1243.	5.2	69
6	Nitrogen-doped carbon nanofibers on expanded graphite as oxygen reduction electrocatalysts. Carbon, 2016, 101, 191-202.	5.4	62
7	Carbon corrosion properties and performance of multi-walled carbon nanotube support with and without nitrogen-functionalization in fuel cell electrodes. Electrochimica Acta, 2020, 332, 135384.	2.6	42
8	Nitrogen-doped carbon nanofiber catalyst for ORR in PEM fuel cell stack: Performance, durability and market application aspects. International Journal of Hydrogen Energy, 2016, 41, 17616-17630.	3.8	36
9	Evaluation of ORR active sites in nitrogen-doped carbon nanofibers by KOH post treatment. Catalysis Today, 2018, 301, 11-16.	2.2	36
10	Boosted Supercapacitive Energy with High Rate Capability of a Carbon Framework with Hierarchical Pore Structure in an Ionic Liquid. ChemSusChem, 2016, 9, 3093-3101.	3.6	33
11	A platinum nanowire electrocatalyst on single-walled carbon nanotubes to drive hydrogen evolution. Applied Catalysis B: Environmental, 2020, 265, 118582.	10.8	31
12	Coaxial Carbon/Metal Oxide/Aligned Carbon Nanotube Arrays as High-Performance Anodes for Lithium Ion Batteries. ChemSusChem, 2014, 7, 1335-1346.	3.6	29
13	Active sites for the oxygen reduction reaction in nitrogen-doped carbon nanofibers. Catalysis Today, 2020, 357, 248-258.	2.2	28
14	Flexible and Mechanically Durable Asymmetric Supercapacitor Based on NiCo-Layered Double Hydroxide and Nitrogen-Doped Graphene Using a Simple Fabrication Method. Energy Technology, 2019, 7, 1801002.	1.8	23
15	Nitrogen-Doped Carbon Nanofibers for the Oxygen Reduction Reaction: Importance of the Iron Growth Catalyst Phase. ChemCatChem, 2017, 9, 1663-1674.	1.8	17
16	High Performance Hydrogen Evolution Reaction Catalyst Based on Single-Walled Carbon Nanotubes Decorated by RuO _x Nanoparticles. ChemElectroChem, 2020, 7, 2651-2659.	1.7	10
17	Electrochemical syngas production from CO ₂ and water with CNT supported ZnO catalysts. Catalysis Today, 2021, 364, 172-181.	2.2	7