

GaÃ«tan Buvat

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

259
citations

1040056

9
h-index

996975

15
g-index

17
all docs

17
docs citations

17
times ranked

372
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical study of aqueous asymmetric FeWO ₄ /MnO ₂ supercapacitor. Journal of Power Sources, 2016, 326, 695-701.	7.8	59
2	Effect of IrO ₆ Octahedron Distortion on the OER Activity at (100) IrO ₂ Thin Film. ACS Catalysis, 2020, 10, 806-817.	11.2	52
3	Ultra-high areal capacitance and high rate capability RuO ₂ thin film electrodes for 3D micro-supercapacitors. Energy Storage Materials, 2021, 42, 259-267.	18.0	41
4	Polycationic oxides as potential electrode materials for aqueous-based electrochemical capacitors. Current Opinion in Electrochemistry, 2018, 9, 87-94.	4.8	19
5	OER Performances of Cationic Substituted (100)-Oriented IrO ₂ Thin Films: A Joint Experimental and Theoretical Study. ACS Applied Energy Materials, 2020, 3, 5229-5237.	5.1	14
6	Carbon quantum dots as a dual platform for the inhibition and light-based destruction of collagen fibers: implications for the treatment of eye floaters. Nanoscale Horizons, 2021, 6, 449-461.	8.0	14
7	A First Outlook of Sputtered FeWO ₄ Thin Films for Micro-Supercapacitor Electrodes. Journal of the Electrochemical Society, 2021, 168, 030524.	2.9	13
8	Innovative solid oxide fuel cells based on Ba _{0.3} Ti _{0.7} O _{2.85} electrolyte and La ₂ Mo ₂ O ₉ amorphous reduced phase as anode material. Journal of Power Sources, 2016, 302, 107-113.	7.8	12
9	Rethinking Pseudocapacitance: A Way to Harness Charge Storage of Crystalline RuO ₂ . ACS Applied Energy Materials, 2020, 3, 4144-4148.	5.1	11
10	Sampled current voltammetry for kinetic studies on materials unsuitable for rotating discs or microelectrodes: Application to the oxygen reduction reaction in acidic medium. Electrochimica Acta, 2020, 362, 136946.	5.2	8
11	Reduction Kinetics of La ₂ Mo ₂ O ₉ and Phase Evolution during Reduction and Reoxidation. Inorganic Chemistry, 2016, 55, 2522-2533.	4.0	6
12	Influence of La ₂ Mo ₂ O ₉ on the sintering behavior and electrochemical properties of gadolinium-doped ceria. Ceramics International, 2017, 43, 10137-10143.	4.8	3
13	On the local order of amorphous La ₂ Mo ₂ O _{6.7} . Dalton Transactions, 2017, 46, 7273-7283.	3.3	3
14	Probing the surface sensitivity of dimethyl ether oxidation on epitaxially-grown PtRh(111) alloys: Insights into the challenge of improving on Pt(111). Journal of Catalysis, 2019, 369, 405-414.	6.2	3
15	Au(001) Thin Films: Impact of Structure and Mosaicity on the Oxygen Reduction Reaction in Alkaline Medium. ACS Catalysis, 2022, 12, 1664-1676.	11.2	1
16	Domain Size Dependence of the Oxygen Reduction Reaction on (100)-Oriented Au Thin Films. ECS Meeting Abstracts, 2020, MA2020-01, 2670-2670.	0.0	0