

Mathew McLaren

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

329
citations

1163117

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h-index

1281871

11
g-index

17
all docs

17
docs citations

17
times ranked

648
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature dependence of spin Hall magnetoresistance in thin YIG/Pt films. Physical Review B, 2014, 89, .	3.2	109
2	A Facile Green Synthetic Route for the Preparation of Highly Active γ -Al ₂ O ₃ from Aluminum Foil Waste. Scientific Reports, 2017, 7, 3593.	3.3	47
3	Silver-Modified γ -Al ₂ O ₃ Catalyst for DME Production. Journal of Physical Chemistry C, 2017, 121, 25018-25032.	3.1	38
4	Temperature controlled motion of an antiferromagnet-ferromagnet interface within a dopant-graded FeRh epilayer. APL Materials, 2015, 3, .	5.1	31
5	Asymmetric "melting" and "freezing" kinetics of the magnetostructural phase transition in B2-ordered FeRh epilayers. Applied Physics Letters, 2014, 104, .	3.3	23
6	Characterisation of Robust Combustion Catalyst from Aluminium Foil Waste. ChemistrySelect, 2018, 3, 1545-1550.	1.5	23
7	GaN Nanowire Schottky Barrier Diodes. IEEE Transactions on Electron Devices, 2017, 64, 2283-2290.	3.0	17
8	Sputter Growth and Characterization of Metamagnetic B2-ordered FeRh Epilayers. Journal of Visualized Experiments, 2013, , .	0.3	15
9	Long spin lifetime and large barrier polarisation in single electron transport through a CoFe nanoparticle. Scientific Reports, 2016, 6, 28296.	3.3	7
10	Reduction of threading dislocation density in top-down fabricated GaN nanocolumns via their lateral overgrowth by MOCVD. Journal of Applied Physics, 2020, 127, .	2.5	7
11	(Invited) Simulation Study of High Voltage Vertical GaN Nanowire Field Effect Transistors. ECS Transactions, 2017, 80, 69-85.	0.5	6
12	Dense GaN nanocolumn arrays by hybrid top-down-regrow approach using nanosphere lithography. , 2018, , .		2
13	Design considerations of vertical GaN nanowire Schottky barrier diodes. , 2017, , .		0