

# Mathew McLaren

## List of Publications by Year in descending order

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13  
papers

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citations

1163117

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1281871

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docs citations

17  
times ranked

648  
citing authors

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