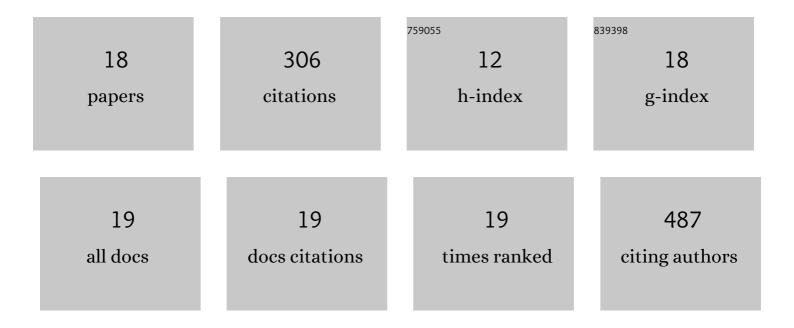
Daragh Byrne

List of Publications by Year in descending order

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DADACH RVDNE

#	Article	IF	CITATIONS
1	In situ generation of plasmonic cavities for high sensitivity fluorophore and biomolecule detection. Nanoscale, 2018, 10, 18555-18564.	2.8	2
2	Controlled surface plasmon enhanced fluorescence from 1D gold gratings via azimuth rotations. Methods and Applications in Fluorescence, 2017, 5, 015004.	1.1	3
3	Highly sensitive detection of C-reactive protein using a novel dissolution approach in a dye-doped silica nanoparticle-based fluorescence immunoassay. Analytical Methods, 2017, 9, 994-1003.	1.3	10
4	Dislocation loops as a mechanism for thermoelectric power factor enhancement in silicon nano-layers. Applied Physics Letters, 2016, 109, .	1.5	25
5	The role of annealing conditions on the low temperature photoluminescence properties of CuAlO2. Journal of Luminescence, 2016, 170, 212-218.	1.5	8
6	Direct spray deposition of silver nanoparticle films for biosensing applications. RSC Advances, 2015, 5, 62836-62843.	1.7	5
7	Enhanced Seebeck coefficient in silicon nanowires containing dislocations. Applied Physics Letters, 2015, 107, .	1.5	17
8	The luminescent properties of CuAlO ₂ . Journal of Materials Chemistry C, 2014, 2, 7859-7868.	2.7	20
9	Dellafossite CuAlO2 film growth and conversion to Cu–Al2O3 metal ceramic composite via control of annealing atmospheres. CrystEngComm, 2013, 15, 6144.	1.3	12
10	Chemical identification of luminescence due to Sn and Sb in ZnO. Applied Physics Letters, 2013, 102, 192110.	1.5	13
11	Unambiguous identification of the role of a single Cu atom in the ZnO structured green band. Journal of Physics Condensed Matter, 2012, 24, 215802.	0.7	24
12	Length versus Radius Relationship for ZnO Nanowires Grown via Vapor Phase Transport. Crystal Growth and Design, 2012, 12, 5972-5979.	1.4	11
13	A catalyst-free and facile route to periodically ordered and c-axis aligned ZnO nanorod arrays on diverse substrates. Nanoscale, 2011, 3, 1675.	2.8	25
14	Study of Morphological and Related Properties of Aligned Zinc Oxide Nanorods Grown by Vapor Phase Transport on Chemical Bath Deposited Buffer Layers. Crystal Growth and Design, 2011, 11, 5378-5386.	1.4	29
15	Field emission in ordered arrays of ZnO nanowires prepared by nanosphere lithography and extended Fowler-Nordheim analyses. Journal of Applied Physics, 2011, 110, .	1.1	16
16	A novel, substrate independent three-step process for the growth of uniform ZnO nanorod arrays. Thin Solid Films, 2010, 518, 4489-4492.	0.8	27
17	Multiphoton-absorption induced ultraviolet luminescence of ZnO nanorods using low-energy femtosecond pulses. Journal of Applied Physics, 2010, 108, .	1.1	23
18	A Study of Drop-Coated and Chemical Bath-Deposited Buffer Layers for Vapor Phase Deposition of Large Area, Aligned, Zinc Oxide Nanorod Arrays. Crystal Growth and Design, 2010, 10, 2400-2408.	1.4	36