Heather M Yates

List of Publications by Year
in descending order

50 papers	1,118 citations	516710 16 h-index	395702 33 g-index
50 all docs	50 docs citations	50 times ranked	1470 citing authors

#	Article	IF	Citations
1	The role of nitrogen doping on the development of visible light-induced photocatalytic activity in thin TiO2 films grown on glass by chemical vapour deposition. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 179, 213-223.	3.9	189
2	Photocatalytic antimicrobial activity of thin surface films of TiO2, CuO and TiO2/CuO dual layers on Escherichia coli and bacteriophage T4. Applied Microbiology and Biotechnology, 2008, 79, 127-133.	3.6	127
3	Bragg diffraction from indium phosphide infilled fcc silica colloidal crystals. Physical Review B, 1999, 59, 1563-1566.	3.2	93
4	Enhancement of the photonic gap of opal-based three-dimensional gratings. Applied Physics Letters, 1997, 70, 2091-2093.	3.3	83
5	Photo-induced self-cleaning and biocidal behaviour of titania and copper oxide multilayers. Journal of Photochemistry and Photobiology A: Chemistry, 2008, 197, 197-205.	3.9	77
6	Opal-based photonic crystal with double photonic bandgap structure. Journal of Physics Condensed Matter, 2000, 12, 8221-8229.	1.8	41
7	The development of high performance SnO2:F as TCOs for thin film silicon solar cells. Surface and Coatings Technology, 2012, 213, 167-174.	4.8	34
8	Optical properties of self-assembled arrays of InP quantum wires confined in nanotubes of chrysotile asbestos. Journal of Applied Physics, 1997, 82, 380-385.	2.5	32
9	Multi-functional self-cleaning thermochromic films by atmospheric pressure chemical vapour deposition. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 189, 387-397.	3.9	31
10	The growth of copper oxides on glass by flame assisted chemical vapour deposition. Thin Solid Films, 2008, 517, 517-521.	1.8	27
11	One pot direct hydrothermal growth of photoactive TiO2 films on glass. Journal of Photochemistry and Photobiology A: Chemistry, 2009, 202, 81-85.	3.9	27
12	Flame Assisted Chemical Vapour Deposition of NiO hole transport layers for planar perovskite cells. Surface and Coatings Technology, 2020, 385, 125423.	4.8	27
13	Atmospheric Pressure Glow Discharge CVD of Al2 O3 Thin Films. Plasma Processes and Polymers, 2006, 3, 597-605.	3.0	20
14	Tackling problems in the growth of ZnS/Se through precursor design. Advanced Materials for Optics and Electronics, 1994, 3, 163-169.	0.4	18
15	Modification of the Natural Photonic Bandgap of Synthetic Opals via Infilling with Crystalline InP. Advanced Functional Materials, 2005, 15, 411-417.	14.9	18
16	Controlled Nanostructured Silver Coated Surfaces by Atmospheric Pressure Chemical Vapour Deposition. Chemical Vapor Deposition, 2008, 14, 14-24.	1.3	18
17	Progression towards high efficiency perovskite solar cells via optimisation of the front electrode and blocking layer. Journal of Materials Chemistry C, 2016, 4, 11269-11277.	5.5	17
18	Low Temperature Growth of Photoactive Titania by Atmospheric Pressure Plasma. Plasma Processes and Polymers, 2009, 6, 575-582.	3.0	16

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19	Surface-related properties of perovskite CH₃NH₃PbI₃ thin films by aerosol-assisted chemical vapour deposition. Journal of Materials Chemistry C, 2017, 5, 8366-8370.	5.5	16
20	Roll to roll atmospheric pressure plasma enhanced CVD of titania as a step towards the realisation of large area perovskite solar cell technology. Journal of Materials Chemistry C, 2018, 6, 1988-1995.	5.5	16
21	Optimised atmospheric pressure CVD of monoclinic VO2 thin films with picosecond phase transition. Surface and Coatings Technology, 2016, 287, 160-165.	4.8	15
22	Growth patterns and properties of aerosol-assisted chemical vapor deposition of CH3NH3PbI3 films in a single step. Surface and Coatings Technology, 2017, 321, 336-340.	4.8	15
23	Flame assisted chemical vapour deposition NiO hole transport layers for mesoporous carbon perovskite cells. Journal of Materials Chemistry C, 2019, 7, 13235-13242.	5.5	13
24	Impact of GaP layer deposition upon photonic bandgap behaviour of opal. Journal of Physics Condensed Matter, 2000, 12, 339-348.	1.8	12
25	1 cm2 CH3NH3PbI3 mesoporous solar cells with 17.8% steady-state efficiency by tailoring front FTO electrodes. Journal of Materials Chemistry C, 2017, 5, 4946-4950.	5.5	12
26	Structural and compositional integrity of latticeâ€matched ZnSe0.95S0.05on (100) orientated GaAs. Applied Physics Letters, 1987, 51, 809-810.	3.3	11
27	Controlling the sulphur content of ZnSe1âˆ’ySyepitaxial layers grown by metalorganic chemical vapor deposition using diethyl selenide, hydrogen sulphide, and dimethylzinc. Applied Physics Letters, 1991, 59, 2835-2837.	3.3	10
28	Characterization of ZnS grown by metal-organic chemical vapour deposition on GaAs(100) using t-butyl mercaptan and dimethylzinc. Advanced Materials for Optics and Electronics, 1992, 1, 43-46.	0.4	10
29	Improved FTO/NiOx Interfaces for Inverted Planar Triple-Cation Perovskite Solar Cells. IEEE Journal of Photovoltaics, 2019, 9, 1302-1308.	2.5	10
30	The Influence of F-Doping in SnO2 Thin Films. Physics Procedia, 2013, 46, 159-166.	1.2	9
31	Transparent Conductive Oxide Films for High-Performance Dye-Sensitized Solar Cells. IEEE Journal of Photovoltaics, 2017, 7, 518-524.	2.5	9
32	Antimicrobial Activity Against Hospitalâ€related Pathogens of Dual Layer CuO/TiO₂ Coatings Prepared by CVD. Chemical Vapor Deposition, 2012, 18, 140-146.	1.3	7
33	Translation Effects in Fluorine Doped Tin Oxide Thin Film Properties by Atmospheric Pressure Chemical Vapour Deposition. Coatings, 2016, 6, 43.	2.6	7
34	In-Situ mechanistic studies of the reaction of trimethylgallium and phosphine in zeolite H-Y. Advanced Materials for Optics and Electronics, 1993, 2, 313-318.	0.4	6
35	Photoactive Thin Silver Films by Atmospheric Pressure CVD. International Journal of Photoenergy, 2008, 2008, 1-8.	2.5	6
36	APCVD of dual layer transparent conductive oxides for photovoltaic applications. Thin Solid Films, 2015, 590, 260-265.	1.8	6

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37	Deposition of thin film SnO2:F onto aluminium foil for use in flexible tandem solar cells. Thin Solid Films, 2011, 519, 7731-7737.	1.8	5
38	Dual functionality anti-reflection and biocidal coatings. Surface and Coatings Technology, 2017, 324, 201-207.	4.8	5
39	Optically tuned and large-grained bromine doped CH3NH3PbI3 perovskite thin films via aerosol-assisted chemical vapour deposition. Materials Chemistry and Physics, 2019, 223, 157-163.	4.0	5
40	Optimization of Solar Cell Performance using Atmospheric Pressure Chemical Vapour Deposition deposited TCOs. ECS Transactions, 2009, 25, 789-796.	0.5	4
41	Photonic band gap properties of GaP opals with a new topology. Applied Physics B: Lasers and Optics, 2005, 81, 205-208.	2.2	3
42	Doped Iron Oxide Thin Films for Photoelectrochemical Generation of Hydrogen from Water. ECS Transactions, 2009, 25, 1081-1086.	0.5	3
43	Growth of IIâ€“VI compounds by metalâ€“organic chemical vapour deposition. Propylene sulfide: a novel sulfur-containing precursor for MOCVD growth of ZnS. Journal of Materials Chemistry, 1995, 5, 853-854.	6.7	2
44	A Single-Step APCVD Route to Novel Dual Functionality: Self-Cleaning Biocidal Titania-Copper Films. ECS Transactions, 2009, 25, 1007-1014.	0.5	2
45	Metal Organic Chemical Vapour Deposition Growth of Epitaxial ZnSe/ZnS Multiple Layered Structures. Materials Research Society Symposia Proceedings, 1987, 102, 137.	0.1	1
46	Effects of APCVD Growth Conditions on the Photocatalytic Behaviour of Titania Films. ECS Transactions, 2009, 25, 781-788.	0.5	1
47	Durable high-performance anti-reflection coatings via atmospheric pressure processing. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 1544-1549.	1.8	1
48	Understanding nanomechanical and surface ellipsometry of optical F-doped SnO2 thin films by in-line APCVD. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	1
49	Enhanced optical performance of APCVD zinc oxide via post growth plasma treatment at atmospheric pressure. Physica Status Solidi C: Current Topics in Solid State Physics, 2015, 12, 1016-1021.	0.8	0
50	Comparing Lead Iodide and Lead Acetate Based Perovskite Absorber Layers by Aerosol-Assisted Chemical Vapor Deposition. , 2020, , .		0