

Asim Aijaz

List of Publications by Year in descending order

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19
papers

625
citations

643344

15
h-index

889612

19
g-index

19
all docs

19
docs citations

19
times ranked

708
citing authors

#	ARTICLE	IF	CITATIONS
1	High power impulse magnetron sputtering of diamond-like carbon coatings. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2020, 38, .	0.9	12
2	Room Temperature Reactive Deposition of InGaZnO and ZnSnO Amorphous Oxide Semiconductors for Flexible Electronics. Coatings, 2020, 10, 2.	1.2	10
3	Using hydrogen-doped In ₂ O ₃ films as a transparent back contact in (Ag,Cu)(In,Ga)Se ₂ solar cells. Progress in Photovoltaics: Research and Applications, 2018, 26, 159-170.	4.4	19
4	Discharge runaway in high power impulse magnetron sputtering of carbon: the effect of gas pressure, composition and target peak voltage. Journal Physics D: Applied Physics, 2018, 51, 165201.	1.3	12
5	Hard and dense diamond like carbon coatings deposited by deep oscillations magnetron sputtering. Surface and Coatings Technology, 2018, 336, 92-98.	2.2	29
6	Effect of KF absorber treatment on the functionality of different transparent conductive oxide layers in CIGSe solar cells. Progress in Photovoltaics: Research and Applications, 2018, 26, 13-23.	4.4	22
7	Mechanical Properties of Hydrogen Free Diamond-Like Carbon Thin Films Deposited by High Power Impulse Magnetron Sputtering with Ne. Coatings, 2018, 8, 385.	1.2	31
8	Evolution of sputtering target surface composition in reactive high power impulse magnetron sputtering. Journal of Applied Physics, 2017, 121, .	1.1	17
9	Ion induced stress relaxation in dense sputter-deposited DLC thin films. Applied Physics Letters, 2017, 111, .	1.5	16
10	Synthesis of hydrogenated diamondlike carbon thin films using neon-acetylene based high power impulse magnetron sputtering discharges. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2016, 34, 061504.	0.9	18
11	Direct comparison of atomic layer deposition and sputtering of In ₂ O ₃ :H used as transparent conductive oxide layer in CuIn _{1-x} GaxSe ₂ thin film solar cells. Solar Energy Materials and Solar Cells, 2016, 157, 757-764.	3.0	25
12	Low-temperature synthesis of thermochromic vanadium dioxide thin films by reactive high power impulse magnetron sputtering. Solar Energy Materials and Solar Cells, 2016, 149, 137-144.	3.0	70
13	Principles for designing sputtering-based strategies for high-rate synthesis of dense and hard hydrogenated amorphous carbon thin films. Diamond and Related Materials, 2014, 44, 117-122.	1.8	16
14	Deposition of yttria-stabilized zirconia thin films by high power impulse magnetron sputtering and pulsed magnetron sputtering. Surface and Coatings Technology, 2014, 240, 1-6.	2.2	24
15	Understanding the discharge current behavior in reactive high power impulse magnetron sputtering of oxides. Journal of Applied Physics, 2013, 113, .	1.1	86
16	A novel high-power pulse PECVD method. Surface and Coatings Technology, 2012, 206, 4562-4566.	2.2	24
17	A strategy for increased carbon ionization in magnetron sputtering discharges. Diamond and Related Materials, 2012, 23, 1-4.	1.8	97
18	Effect of peak power in reactive high power impulse magnetron sputtering of titanium dioxide. Surface and Coatings Technology, 2011, 205, 4828-4831.	2.2	70

#	ARTICLE	IF	CITATIONS
19	Dual-magnetron open field sputtering system for sideways deposition of thin films. Surface and Coatings Technology, 2010, 204, 2165-2169.	2.2	27