S S Major

List of Publications by Year in Descending Order

36 papers	447 citations	12 h-index	20 g-index
46 ext. papers	494 ext. citations	2.9 avg, IF	3.37 L-index

#	Paper	IF	Citations
36	X-ray absorption study of defects in reactively sputtered GaN films displaying large variation of conductivity. *Semiconductor Science and Technology*, **2021**, 36, 075019	1.8	0
35	Effect of oxygen partial pressure on the behavior of Ga-doped ZnO/p-Si heterojunction diodes fabricated by reactive sputtering. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 4248-4257	2.7	5
34	High performance GZO/p-Si heterojunction diodes fabricated by reactive co-sputtering of Zn and GaAs through the control of GZO layer thickness.. *RSC Advances*, **2021**, 11, 19779-19787	3.7	0
33	Microstructural dependence of residual stress in reactively sputtered epitaxial GaN films. *Journal Physics D: Applied Physics*, **2021**, 54, 175302	3	1
32	Gallium nitride films of high n-type conductivity grown by reactive sputtering. *Semiconductor Science and Technology*, **2020**, 35, 045011	1.8	5
31	Growth and photocatalytic behavior of transparent reduced GO-ZnO nanocomposite sheets. *Nanotechnology*, **2019**, 30, 485601	3.4	11
30	Effect of nitrogen partial pressure on the microstructure of epitaxial GaN films grown by rf magnetron sputtering **2019**,		1
29	Study of transparent conducting Ga-doped ZnO films grown by reactive co-sputtering of Zn and GaAs **2018**,		2
28	Si doped GaN films grown by reactive co-sputtering of GaAs and Si. *Materials Research Express*, **2018**, 5, 096411	1.7	1
27	Transparent and Hydrophobic Reduced Graphene Oxide–Titanium Dioxide Nanocomposites for Nonwetting Device Applications. *ACS Applied Nano Materials*, **2018**, 1, 5691-5701	5.6	11
26	High resolution X-ray diffraction studies of epitaxial ZnO nanorods grown by reactive sputtering. *Journal of Applied Physics*, **2017**, 121, 215306	2.5	4
25	High resolution x-ray diffraction study of the substrate temperature and thickness dependent microstructure of reactively sputtered epitaxial ZnO films. *Materials Research Express*, **2017**, 4, 096405	1.7	1
24	A Modified Langmuir-Blodgett technique for transfer of graphene oxide monolayer sheets on solid substrates. *Materials Research Express*, **2016**, 3, 035002	1.7	6
23	Vertically aligned ZnO nanorods of high crystalline and optical quality grown by dc reactive sputtering. *Materials Research Express*, **2016**, 3, 095009	1.7	5
22	Near room temperature reduction of graphene oxide Langmuir-Blodgett monolayers by hydrogen plasma. *Physical Chemistry Chemical Physics*, **2014**, 16, 11708-18	3.6	23
21	Effect of ZnO seed layer on the morphology and optical properties of ZnO nanorods grown on GaN buffer layers **2014**,		1
20	Strong and Tunable Blue Luminescence from Cd1-xZnxS Alloy Nanocrystallites Grown in Langmuir-Blodgett Multilayers. *Journal of Physical Chemistry C*, **2013**, 117, 4314-4325	3.8	6

19	Study of simultaneous reduction and nitrogen doping of graphene oxide Langmuir-Blodgett monolayer sheets by ammonia plasma treatment. *Nanotechnology*, **2013**, 24, 355704	3.4	38
18	Effect of Ga-doped ZnO seed layer thickness on the morphology and optical properties of ZnO nanorods **2013**,		2
17	Effect of subphase pH on Langmuir-Blodgett deposition of graphene oxide monolayers on Si and SiO2/Si substrates **2013**,		1
16	Growth of CdS nanocrystallites on graphene oxide Langmuir-Blodgett monolayers. *Nanotechnology*, **2012**, 23, 325605	3.4	15
15	GO and RGO based FETs fabricated with Langmuir-Blodgett grown monolayers **2012**,		1
14	Effect of substrate temperature on microstructure of epitaxial ZnO films grown on sapphire by sputtering **2012**,		1
13	Strong blue excitonic emission from CdS nanocrystallites prepared by LB technique. *Applied Physics A: Materials Science and Processing*, **2009**, 94, 577-584	2.6	12
12	Orange-red luminescence from Cu doped CdS nanophosphor prepared using mixed Langmuir-Blodgett multilayers. *Journal of Chemical Physics*, **2008**, 128, 114703	3.9	86
11	Spectroscopic ellipsometry studies of GaN films deposited by reactive rf sputtering of GaAs target. *Journal of Applied Physics*, **2008**, 103, 083541	2.5	13
10	Growth and structure of sputtered gallium nitride films. *Journal of Applied Physics*, **2007**, 102, 073516	2.5	23
9	ZnO nanocrystallites obtained by oxidation of zinc arachidate–arachidic acid composite multilayers. *Physica Status Solidi (A) Applications and Materials Science*, **2007**, 204, 1658-1664	1.6	2
8	Langmuir Blodgett multilayers and related nanostructures **2006**, 67, 121-134		2
7	Structural assembly of Cd-arachidate molecules in multilayers. *Journal of Chemical Physics*, **1999**, 111, 11088-11094	3.9	11
6	Polyaniline–CdS Composite Films Obtained from Polyaniline–Cadmium Arachidate Multilayers. *Journal of Materials Science Letters*, **1999**, 18, 603-606		16
5	Structure of CdS–Cd–Arachidate/Arachidic Acid Composite Multilayers. *Langmuir*, **1998**, 14, 1799-1803	4	20
4	Formation of Highly Condensed Ferric Stearate Monolayers at the Air–Water Interface. *Journal of Physical Chemistry B*, **1997**, 101, 9280-9286	3.4	20
3	The effect of F, Cl and Br doping on the growth and structural properties of sprayed films. *Journal Physics D: Applied Physics*, **1996**, 29, 2988-2991	3	7
2	Effect of heavy doping in SnO2:F films. *Journal of Materials Science*, **1996**, 31, 2965-2969	4.3	68

1 Effect of F, Cl and Br doping on electrical properties of sprayed SnO2 films. *Journal of Materials Science Letters*, **1996**, 15, 497-499 25