

# S S Major

## List of Publications by Citations

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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 | Orange-red luminescence from Cu doped CdS nanophosphor prepared using mixed Langmuir-Blodgett multilayers. <i>Journal of Chemical Physics</i> , <b>2008</b> , 128, 114703              | 3.9 | 86        |
| 35 | Effect of heavy doping in SnO <sub>2</sub> :F films. <i>Journal of Materials Science</i> , <b>1996</b> , 31, 2965-2969   | 4.3 | 68        |
| 34 | Study of simultaneous reduction and nitrogen doping of graphene oxide Langmuir-Blodgett monolayer sheets by ammonia plasma treatment. <i>Nanotechnology</i> , <b>2013</b> , 24, 355704 | 3.4 | 38        |
| 33 | Effect of F, Cl and Br doping on electrical properties of sprayed SnO <sub>2</sub> films. <i>Journal of Materials Science Letters</i> , <b>1996</b> , 15, 497-499                      |     | 25        |
| 32 | Near room temperature reduction of graphene oxide Langmuir-Blodgett monolayers by hydrogen plasma. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 11708-18             | 3.6 | 23        |
| 31 | Growth and structure of sputtered gallium nitride films. <i>Journal of Applied Physics</i> , <b>2007</b> , 102, 073516   | 2.5 | 23        |
| 30 | Formation of Highly Condensed Ferric Stearate Monolayers at the Air/Water Interface. <i>Journal of Physical Chemistry B</i> , <b>1997</b> , 101, 9280-9286                             | 3.4 | 20        |
| 29 | Structure of CdS/Cd-Arachidate/Arachidic Acid Composite Multilayers. <i>Langmuir</i> , <b>1998</b> , 14, 1799-1803   | 4   | 20        |
| 28 | Polyaniline/CdS Composite Films Obtained from Polyaniline/Cadmium Arachidate Multilayers. <i>Journal of Materials Science Letters</i> , <b>1999</b> , 18, 603-606                      |     | 16        |
| 27 | Growth of CdS nanocrystallites on graphene oxide Langmuir-Blodgett monolayers. <i>Nanotechnology</i> , <b>2012</b> , 23, 325605  | 3.4 | 15        |
| 26 | Spectroscopic ellipsometry studies of GaN films deposited by reactive rf sputtering of GaAs target. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 083541                      | 2.5 | 13        |
| 25 | Strong blue excitonic emission from CdS nanocrystallites prepared by LB technique. <i>Applied Physics A: Materials Science and Processing</i> , <b>2009</b> , 94, 577-584              | 2.6 | 12        |
| 24 | Growth and photocatalytic behavior of transparent reduced GO-ZnO nanocomposite sheets. <i>Nanotechnology</i> , <b>2019</b> , 30, 485601  | 3.4 | 11        |
| 23 | Structural assembly of Cd-arachidate molecules in multilayers. <i>Journal of Chemical Physics</i> , <b>1999</b> , 111, 11088-11094   | 3.9 | 11        |
| 22 | Transparent and Hydrophobic Reduced Graphene Oxide/Titanium Dioxide Nanocomposites for Nonwetting Device Applications. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 5691-5701  | 5.6 | 11        |
| 21 | The effect of F, Cl and Br doping on the growth and structural properties of sprayed films. <i>Journal Physics D: Applied Physics</i> , <b>1996</b> , 29, 2988-2991                    | 3   | 7         |
| 20 | A modified Langmuir-Blodgett technique for transfer of graphene oxide monolayer sheets on solid substrates. <i>Materials Research Express</i> , <b>2016</b> , 3, 035002                | 1.7 | 6         |

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|----|---|-----|---|
| 19 | Strong and Tunable Blue Luminescence from Cd <sub>1-x</sub> Zn <sub>x</sub> S Alloy Nanocrystallites Grown in Langmuir-Blodgett Multilayers. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 4314-4325          | 3.8 | 6 |
| 18 | Gallium nitride films of high n-type conductivity grown by reactive sputtering. <i>Semiconductor Science and Technology</i> , <b>2020</b> , 35, 045011  | 1.8 | 5 |
| 17 | Vertically aligned ZnO nanorods of high crystalline and optical quality grown by dc reactive sputtering. <i>Materials Research Express</i> , <b>2016</b> , 3, 095009  | 1.7 | 5 |
| 16 | Effect of oxygen partial pressure on the behavior of Ga-doped ZnO/p-Si heterojunction diodes fabricated by reactive sputtering. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 4248-4257 | 2.1 | 5 |
| 15 | High resolution X-ray diffraction studies of epitaxial ZnO nanorods grown by reactive sputtering. <i>Journal of Applied Physics</i> , <b>2017</b> , 121, 215306   | 2.5 | 4 |
| 14 | Study of transparent conducting Ga-doped ZnO films grown by reactive co-sputtering of Zn and GaAs <b>2018</b> ,   |     | 2 |
| 13 | Effect of Ga-doped ZnO seed layer thickness on the morphology and optical properties of ZnO nanorods <b>2013</b> ,  |     | 2 |
| 12 | ZnO nanocrystallites obtained by oxidation of zinc arachidate arachidic acid composite multilayers. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2007</b> , 204, 1658-1664                      | 1.6 | 2 |
| 11 | Langmuir Blodgett multilayers and related nanostructures <b>2006</b> , 67, 121-134  |     | 2 |
| 10 | Effect of nitrogen partial pressure on the microstructure of epitaxial GaN films grown by rf magnetron sputtering <b>2019</b> ,   |     | 1 |
| 9  | Si doped GaN films grown by reactive co-sputtering of GaAs and Si. <i>Materials Research Express</i> , <b>2018</b> , 5, 096411  | 1.7 | 1 |
| 8  | High resolution x-ray diffraction study of the substrate temperature and thickness dependent microstructure of reactively sputtered epitaxial ZnO films. <i>Materials Research Express</i> , <b>2017</b> , 4, 096405        | 1.7 | 1 |
| 7  | Effect of ZnO seed layer on the morphology and optical properties of ZnO nanorods grown on GaN buffer layers <b>2014</b> ,  |     | 1 |
| 6  | Effect of subphase pH on Langmuir-Blodgett deposition of graphene oxide monolayers on Si and SiO <sub>2</sub> /Si substrates <b>2013</b> ,  |     | 1 |
| 5  | GO and RGO based FETs fabricated with Langmuir-Blodgett grown monolayers <b>2012</b> ,  |     | 1 |
| 4  | Effect of substrate temperature on microstructure of epitaxial ZnO films grown on sapphire by sputtering <b>2012</b> ,  |     | 1 |
| 3  | Microstructural dependence of residual stress in reactively sputtered epitaxial GaN films. <i>Journal Physics D: Applied Physics</i> , <b>2021</b> , 54, 175302   | 3   | 1 |
| 2  | X-ray absorption study of defects in reactively sputtered GaN films displaying large variation of conductivity. <i>Semiconductor Science and Technology</i> , <b>2021</b> , 36, 075019                                      | 1.8 | 0 |

- 1 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

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