

# Inturu Omkaram

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,263  
citations

535685

17  
h-index

511568

30  
g-index

32  
all docs

32  
docs citations

32  
times ranked

2345  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interstitial Mo-Assisted Photovoltaic Effect in Multilayer MoSe <sub>2</sub> Phototransistors. <i>Advanced Materials</i> , 2018, 30, e1705542.	11.1	48
2	A highly sensitive chemical gas detecting transistor based on highly crystalline CVD-grown MoSe <sub>2</sub> films. <i>Nano Research</i> , 2017, 10, 1861-1871.	5.8	102
3	Structural, optical and room temperature ferromagnetic properties of Sn <sup>1-x</sup> FexO <sub>2</sub> thin films using flash evaporation technique. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 2976-2983.	1.1	8
4	The doping mechanism and electrical performance of polyethylenimine-doped MoS <sub>2</sub> transistor. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2017, 14, 1600262.	0.8	12
5	High-Mobility Transistors Based on Large-Area and Highly Crystalline CVD-Grown MoSe <sub>2</sub> Films on Insulating Substrates. <i>Advanced Materials</i> , 2016, 28, 2316-2321.	11.1	107
6	Research Update: Nanoscale surface potential analysis of MoS <sub>2</sub> field-effect transistors for biomolecular detection using Kelvin probe force microscopy. <i>APL Materials</i> , 2016, 4, .	2.2	7
7	High performance and transparent multilayer MoS <sub>2</sub> transistors: Tuning Schottky barrier characteristics. <i>AIP Advances</i> , 2016, 6, .	0.6	15
8	Transistors: High-Mobility Transistors Based on Large-Area and Highly Crystalline CVD-Grown MoSe <sub>2</sub> Films on Insulating Substrates ( <i>Adv. Mater.</i> 12/2016). <i>Advanced Materials</i> , 2016, 28, 2278-2278.	11.1	4
9	Highly Crystalline CVD-grown Multilayer MoSe <sub>2</sub> Thin Film Transistor for Fast Photodetector. <i>Scientific Reports</i> , 2015, 5, 15313.	1.6	129
10	A $\alpha$ -Si:H Thin-Film Phototransistor for a Near-Infrared Touch Sensor. <i>IEEE Electron Device Letters</i> , 2015, 36, 41-43.	2.2	17
11	Giant Photoamplification in Indirect-Bandgap Multilayer MoS <sub>2</sub> Phototransistors with Local Bottom-Gate Structures. <i>Advanced Materials</i> , 2015, 27, 2224-2230.	11.1	109
12	Structural, optical, and magnetic properties of Fe doped In <sub>2</sub> O <sub>3</sub> powders. <i>Materials Research Bulletin</i> , 2015, 61, 486-491.	2.7	35
13	Magnetic and superconductivity studies on (In <sup>1-x</sup> Fe <sup>x</sup> ) <sub>2</sub> O <sub>3</sub> thin films. <i>Journal of Alloys and Compounds</i> , 2015, 637, 436-442.	2.8	14
14	Phototransistors: Giant Photoamplification in Indirect-Bandgap Multilayer MoS <sub>2</sub> Phototransistors with Local Bottom-Gate Structures ( <i>Adv. Mater.</i> 13/2015). <i>Advanced Materials</i> , 2015, 27, 2126-2126.	11.1	4
15	Structural, optical and magnetic properties of Cr doped In <sub>2</sub> O <sub>3</sub> powders and thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 8635-8643.	1.1	10
16	Electrical performance of local bottom-gated MoS <sub>2</sub> thin-film transistors. <i>Journal of Information Display</i> , 2014, 15, 107-110.	2.1	0
17	Use of Fe <sup>3+</sup> ion probe to study the structural coordination in sodium-lead borophosphate glasses by utilizing electron paramagnetic resonance and optical spectroscopy. <i>Journal of Alloys and Compounds</i> , 2013, 546, 208-215.	2.8	20
18	Structural and magnetic properties of Gd <sup>3+</sup> ions in sodium-lead borophosphate glasses. <i>Journal of Molecular Structure</i> , 2013, 1036, 63-70.	1.8	27

#	ARTICLE	IF	CITATIONS
19	Role of copper content on EPR, susceptibility and optical studies in poly(vinylalcohol) (PVA) complexed poly(ethyleneglycol) (PEG) polymer films. Journal of Molecular Structure, 2013, 1036, 94-101.	1.8	18
20	The structural, optical and magnetic parameter of manganese doped strontium zinc borate glasses. Physica B: Condensed Matter, 2013, 411, 99-105.	1.3	40
21	Spectral studies on Cu <sup>2+</sup> ions in sodium-lead borophosphate glasses. Physica B: Condensed Matter, 2012, 407, 4741-4748.	1.3	32
22	Structural Investigations on Sodium-Lead Borophosphate Glasses Doped with Vanadyl Ions. Journal of Physical Chemistry A, 2012, 116, 3547-3555.	1.1	37
23	Electron paramagnetic resonance and optical absorption studies of manganese ions doped in polyvinyl(alcohol) complexed with polyethylene glycol polymer films. Ionics, 2012, 18, 695-701.	1.2	12
24	Alkaline earth zinc borate glasses doped with Cu <sup>2+</sup> ions studied by EPR, optical and IR techniques. Journal of Non-Crystalline Solids, 2011, 357, 3143-3152.	1.5	72
25	The effect of V <sub>2</sub> O <sub>5</sub> on alkaline earth zinc borate glasses studied by EPR and optical absorption. Journal of Molecular Structure, 2011, 1006, 96-103.	1.8	46
26	Electron paramagnetic resonance studies on clinocllore from Longitudinal Valley area, northeastern Taiwan. Physics and Chemistry of Minerals, 2009, 36, 447-453.	0.3	9
27	Photoluminescence properties of MgAl <sub>2</sub> O <sub>4</sub> :Dy <sup>3+</sup> powder phosphor. Optical Materials, 2009, 32, 8-11.	1.7	69
28	Photoluminescence properties of Eu <sup>3+</sup> :MgAl <sub>2</sub> O <sub>4</sub> powder phosphor. Journal of Alloys and Compounds, 2009, 474, 565-568.	2.8	104
29	Emission analysis of Tb <sup>3+</sup> :MgAl <sub>2</sub> O <sub>4</sub> powder phosphor. Journal of Physics and Chemistry of Solids, 2008, 69, 2066-2069.	1.9	48
30	EPR, optical, infrared and Raman studies of VO <sub>2</sub> <sup>+</sup> ions in polyvinylalcohol films. Physica B: Condensed Matter, 2007, 388, 318-325.	1.3	86
31	Transition Metal Dichalcogenide Photodetectors. , 0, , .		8