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List of Publications by Year in descending order

40 papers	789 citations	623574 14 h-index	501076 28 g-index
40 all docs	40 docs citations	40 times ranked	1110 citing authors

#	Article	IF	Citations
1	The Effect of Annealing on the Optoelectronic Properties and Energy State of Amorphous Pyrochlore Y2Ti2O7 Thin Layers by Solâ€“Gel Synthesis. Crystals, 2022, 12, 564.	1.0	3
2	Gold nanorods conjugated upconversion nanoparticles nanocomposites for simultaneous bioimaging, local temperature sensing and photothermal therapy of OML-1 oral cancer cells. International Journal of Smart and Nano Materials, 2021, 12, 49-71.	2.0	16
3	Ultra-thin 2D transition metal monochalcogenide crystals by planarized reactions. Npj 2D Materials and Applications, 2021, 5, .	3.9	5
4	Robust formation of amorphous Sb2S3 on functionalized graphene for high-performance optoelectronic devices in the cyan-gap. Scientific Reports, 2020, 10, 14873.	1.6	5
5	Ink-jet patterning of graphene by cap assisted barrier-guided CVD. RSC Advances, 2019, 9, 29105-29108.	1.7	1
6	Enhancing Upconversion Luminescence Emission of Rare Earth Nanophosphors in Aqueous Solution with Thousands Fold Enhancement Factor by Low Refractive Index Resonant Waveguide Grating. ACS Photonics, 2018, 5, 3263-3271.	3.2	25
7	Improvement of OLED performance by tuning of silver oxide buffer layer composition on silver grid surface using UV-ozone treatment. Applied Physics Letters, 2018, 113, .	1.5	2
8	Effects of Buffer Layer Treatments on the Characteristics and Performances of OLEDs. ECS Journal of Solid State Science and Technology, 2018, 7, R125-R130.	0.9	0
9	Enhanced optical, electrical, and mechanical characteristics of ZnO/Ag grids/ZnO flexible transparent electrodes. Journal of Applied Physics, 2017, 122, 085501.	1.1	3
10	Increasing the doping efficiency by surface energy control for ultra-transparent graphene conductors. Scientific Reports, 2017, 7, 9052.	1.6	8
11	Improvement of optical and electric characteristics of MoO3/Ag film/MoO3 flexible transparent electrode with metallic grid. Journal of Applied Physics, 2016, 120, .	1.1	8
12	Characterization of the MoO₃/Ag grids/MoO₃ sandwich electrode deposited on flexible substrate via thermal deposition method. Proceedings of SPIE, 2016, , .	0.8	0
13	Investigation of surface energy, polarity, and electrical and optical characteristics of silver grids deposited via thermal evaporation method. Applied Surface Science, 2016, 360, 349-352.	3.1	12
14	Giant Enhancement of Upconversion Fluorescence of NaYF₄:Yb³⁺,Tm³⁺ Nanocrystals with Resonant Waveguide Grating Substrate. ACS Photonics, 2015, 2, 530-536.	3.2	58
15	Ultrathin graphene-based solar cells. RSC Advances, 2015, 5, 99627-99631.	1.7	4
16	Improvement of electrical characteristics in the solutionâ€processed nanocrystalline indium oxide thinâ€film transistors depending on yttrium doping concentration. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 800-810.	0.8	12
17	Ultra-high sensitivity graphene photosensors. Applied Physics Letters, 2014, 104, 041110.	1.5	16
18	Structural and electrical properties of the europium-doped indium zinc oxide thin film transistors. Thin Solid Films, 2014, 562, 625-631.	0.8	4

#	Article	IF	Citations
19	Enhanced performance of indium zinc oxide thin film transistor by yttrium doping. Applied Surface Science, 2013, 284, 397-404.	3.1	21
20	Erbium Doping Effects on the Structural and Infrared Luminescence Properties of Gd₂Ti₂O₇Nanocrystals. ECS Journal of Solid State Science and Technology, 2013, 2, R105-R110.	0.9	13
21	Effect of Catalyst Morphology on the Quality of CVD Grown Graphene. Journal of Nanomaterials, 2013, 2013, 1-6.	1.5	14
22	Enhanced Red Light Photoluminescence of the Europium and Yttrium Co-Doped ITO Powders. Journal of the Electrochemical Society, 2012, 159, H400-H406.	1.3	2
23	Cu2-xSe Films Fabricated by the Low-Temperature Electrophoretic Deposition. Electrochemical and Solid-State Letters, 2012, 15, H1.	2.2	7
24	Low-temperature electrophoretic deposition of Cu2-x Se nanoparticles. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 2390-2394.	0.8	1
25	Visible and infrared luminescence properties of Er3+-doped Y2Ti2O7 nanocrystals. Journal of Solid State Chemistry, 2011, 184, 563-571.	1.4	31
26	Structural and opto-electrical properties of the tin-doped indium oxide thin films fabricated by the wet chemical method with different indium starting materials. Thin Solid Films, 2011, 519, 4286-4292.	0.8	9
27	Compact and vertically-aligned ZnO nanorod thin films by the low-temperature solution method. Thin Solid Films, 2010, 518, 4156-4162.	0.8	41
28	Carrier dynamics in InGaN/GaN multiple quantum wells based on different polishing processes of sapphire substrate. Thin Solid Films, 2010, 518, 7291-7294.	0.8	6
29	Structural and optical properties of Er3+-doped Y2Ti2O7 thin films by solâ€“gel method. Thin Solid Films, 2010, 518, 5704-5710.	0.8	22
30	BaMgAl10O17:Eu blue phosphors with MgO coating and microwave irradiation. Journal of Physics and Chemistry of Solids, 2008, 69, 446-450.	1.9	12
31	Effect of microwave irradiation on surface characteristics and luminescent properties of BaMgAl10O17:Eu blue phosphor. Journal of Physics and Chemistry of Solids, 2008, 69, 362-365.	1.9	7
32	P-79: Engineered Surface with Improved Luminous Efficiency of Phosphor Powder for Plasma Planar Back Light. Digest of Technical Papers SID International Symposium, 2005, 36, 591.	0.1	0
33	Comparison of visible fluorescence properties between solâ€“gel derived Er3+â€“Yb3+ and Er3+â€“Y3+ co-doped TiO2 films. Thin Solid Films, 2003, 434, 171-177.	0.8	46
34	Physical characteristics and infrared fluorescence properties of solâ€“gel derived Er3+â€“Yb3+ codoped TiO2. Journal of Applied Physics, 2003, 94, 2102-2109.	1.1	24
35	Fluorescence enhancement and structural development of solâ€“gel derived Er3+-doped SiO2 by yttrium codoping. Journal of Materials Chemistry, 2002, 12, 1118-1123.	6.7	17
36	Preferential growth of thin rutile TiO2 films upon thermal oxidation of sputtered Ti films. Thin Solid Films, 2002, 402, 290-295.	0.8	76

#	Article	IF	Citations
37	Influence of ligand groups in Ti precursors on phase transformation and microstructural evolution of TiO₂ thin films prepared by the wet chemical process. Journal of Materials Research, 2001, 16, 1712-1719.	1.2	13
38	Effects of yttrium codoping on photoluminescence of erbium-doped TiO2 films. Journal of Applied Physics, 2001, 90, 5564-5569.	1.1	48
39	Structural evolution and optical properties of TiO[sub 2] thin films prepared by thermal oxidation of sputtered Ti films. Journal of Applied Physics, 2000, 88, 4628.	1.1	194
40	Structural and Optical Properties of ZnO Nanorods Thin Films by Solution-Growth Method. Advanced Materials Research, 0, 225-226, 597-600.	0.3	3