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List of Publications by Year in descending order

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40
papers

789
citations

623574

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501076

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all docs

40
docs citations

40
times ranked

1110
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural evolution and optical properties of TiO ₂ thin films prepared by thermal oxidation of sputtered Ti films. Journal of Applied Physics, 2000, 88, 4628.	1.1	194
2	Preferential growth of thin rutile TiO ₂ films upon thermal oxidation of sputtered Ti films. Thin Solid Films, 2002, 402, 290-295.	0.8	76
3	Giant Enhancement of Upconversion Fluorescence of NaYF ₄ :Yb ³⁺ ,Tm ³⁺ Nanocrystals with Resonant Waveguide Grating Substrate. ACS Photonics, 2015, 2, 530-536.	3.2	58
4	Effects of yttrium codoping on photoluminescence of erbium-doped TiO ₂ films. Journal of Applied Physics, 2001, 90, 5564-5569.	1.1	48
5	Comparison of visible fluorescence properties between sol-gel derived Er ³⁺ Yb ³⁺ and Er ³⁺ Y ³⁺ co-doped TiO ₂ films. Thin Solid Films, 2003, 434, 171-177.	0.8	46
6	Compact and vertically-aligned ZnO nanorod thin films by the low-temperature solution method. Thin Solid Films, 2010, 518, 4156-4162.	0.8	41
7	Visible and infrared luminescence properties of Er ³⁺ -doped Y ₂ Ti ₂ O ₇ nanocrystals. Journal of Solid State Chemistry, 2011, 184, 563-571.	1.4	31
8	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
9	Physical characteristics and infrared fluorescence properties of sol-gel derived Er ³⁺ Yb ³⁺ codoped TiO ₂ . Journal of Applied Physics, 2003, 94, 2102-2109.	1.1	24
10	Structural and optical properties of Er ³⁺ -doped Y ₂ Ti ₂ O ₇ thin films by sol-gel method. Thin Solid Films, 2010, 518, 5704-5710.	0.8	22
11	Enhanced performance of indium zinc oxide thin film transistor by yttrium doping. Applied Surface Science, 2013, 284, 397-404.	3.1	21
12	Fluorescence enhancement and structural development of sol-gel derived Er ³⁺ -doped SiO ₂ by yttrium codoping. Journal of Materials Chemistry, 2002, 12, 1118-1123.	6.7	17
13	Ultra-high sensitivity graphene photosensors. Applied Physics Letters, 2014, 104, 041110.	1.5	16
14	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
15	Effect of Catalyst Morphology on the Quality of CVD Grown Graphene. Journal of Nanomaterials, 2013, 2013, 1-6.	1.5	14
16	Influence of ligand groups in Ti precursors on phase transformation and microstructural evolution of TiO ₂ thin films prepared by the wet chemical process. Journal of Materials Research, 2001, 16, 1712-1719.	1.2	13
17	Erbium Doping Effects on the Structural and Infrared Luminescence Properties of Gd ₂ Ti ₂ O ₇ Nanocrystals. ECS Journal of Solid State Science and Technology, 2013, 2, R105-R110.	0.9	13
18	BaMgAl ₁₀ O ₁₇ :Eu blue phosphors with MgO coating and microwave irradiation. Journal of Physics and Chemistry of Solids, 2008, 69, 446-450.	1.9	12

#	ARTICLE	IF	CITATIONS
19	Improvement of electrical characteristics in the solution-processed nanocrystalline indium oxide thin-film transistors depending on yttrium doping concentration. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 800-810.	0.8	12
20	Investigation of surface energy, polarity, and electrical and optical characteristics of silver grids deposited via thermal evaporation method. <i>Applied Surface Science</i> , 2016, 360, 349-352.	3.1	12
21	Structural and opto-electrical properties of the tin-doped indium oxide thin films fabricated by the wet chemical method with different indium starting materials. <i>Thin Solid Films</i> , 2011, 519, 4286-4292.	0.8	9
22	Improvement of optical and electric characteristics of MoO ₃ /Ag film/MoO ₃ flexible transparent electrode with metallic grid. <i>Journal of Applied Physics</i> , 2016, 120, .	1.1	8
23	Increasing the doping efficiency by surface energy control for ultra-transparent graphene conductors. <i>Scientific Reports</i> , 2017, 7, 9052.	1.6	8
24	Effect of microwave irradiation on surface characteristics and luminescent properties of BaMgAl ₁₀ O ₁₇ :Eu blue phosphor. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 362-365.	1.9	7
25	Cu _{2-x} Se Films Fabricated by the Low-Temperature Electrophoretic Deposition. <i>Electrochemical and Solid-State Letters</i> , 2012, 15, H1.	2.2	7
26	Carrier dynamics in InGaN/GaN multiple quantum wells based on different polishing processes of sapphire substrate. <i>Thin Solid Films</i> , 2010, 518, 7291-7294.	0.8	6
27	Robust formation of amorphous Sb ₂ S ₃ on functionalized graphene for high-performance optoelectronic devices in the cyan-gap. <i>Scientific Reports</i> , 2020, 10, 14873.	1.6	5
28	Ultra-thin 2D transition metal monochalcogenide crystals by planarized reactions. <i>Npj 2D Materials and Applications</i> , 2021, 5, .	3.9	5
29	Structural and electrical properties of the europium-doped indium zinc oxide thin film transistors. <i>Thin Solid Films</i> , 2014, 562, 625-631.	0.8	4
30	Ultrathin graphene-based solar cells. <i>RSC Advances</i> , 2015, 5, 99627-99631.	1.7	4
31	Structural and Optical Properties of ZnO Nanorods Thin Films by Solution-Growth Method. <i>Advanced Materials Research</i> , 0, 225-226, 597-600.	0.3	3
32	Enhanced optical, electrical, and mechanical characteristics of ZnO/Ag grids/ZnO flexible transparent electrodes. <i>Journal of Applied Physics</i> , 2017, 122, 085501.	1.1	3
33	The Effect of Annealing on the Optoelectronic Properties and Energy State of Amorphous Pyrochlore Y ₂ Ti ₂ O ₇ Thin Layers by Sol-Gel Synthesis. <i>Crystals</i> , 2022, 12, 564.	1.0	3
34	Enhanced Red Light Photoluminescence of the Europium and Yttrium Co-Doped ITO Powders. <i>Journal of the Electrochemical Society</i> , 2012, 159, H400-H406.	1.3	2
35	Improvement of OLED performance by tuning of silver oxide buffer layer composition on silver grid surface using UV-ozone treatment. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	2
36	Low-temperature electrophoretic deposition of Cu _{2-x} Se nanoparticles. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012, 9, 2390-2394.	0.8	1

#	ARTICLE	IF	CITATIONS
37	Ink-jet patterning of graphene by cap assisted barrier-guided CVD. RSC Advances, 2019, 9, 29105-29108.	1.7	1
38	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
39	Characterization of the MoO ₃ /Ag grids/MoO ₃ sandwich electrode deposited on flexible substrate via thermal deposition method. Proceedings of SPIE, 2016, , .	0.8	0
40	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