

M Kottaisamy

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8646969/publications.pdf>

Version: 2024-02-01

62
papers

3,651
citations

304743

22
h-index

155660

55
g-index

63
all docs

63
docs citations

63
times ranked

4690
citing authors

#	ARTICLE	IF	CITATIONS
1	Blue light excitable red emitting ZnO and its blend for high CRI white light emitting diodes applications. Journal of Luminescence, 2022, 241, 118447.	3.1	9
2	Assessment of strength and durability characteristics of copper slag incorporated ultra high strength concrete. Journal of Cleaner Production, 2019, 208, 402-414.	9.3	70
3	Near UV excitable warm white light emitting Zn doped $\hat{1}^3$ -Ga ₂ O ₃ nanoparticles for phosphor-converted white light emitting diode. Ceramics International, 2019, 45, 2079-2087.	4.8	19
4	Development of Nano-composite Coating for Silicon Solar Cell Efficiency Improvement*. Materials Today: Proceedings, 2018, 5, 1759-1765.	1.8	14
5	Durability characteristics of Ultra High Strength Concrete with treated sugarcane bagasse ash. Construction and Building Materials, 2018, 171, 350-356.	7.2	96
6	Yellow and warm white light emitting Zn doped Y ₂ O ₃ for near UV excitable phosphor converted WLED. Journal of Materials Science: Materials in Electronics, 2018, 29, 19724-19731.	2.2	5
7	Durability of Ultra High Strength Concrete with Waste Granite Sand as Partial Substitute for Aggregate. Journal of Computational and Theoretical Nanoscience, 2018, 15, 446-452.	0.4	4
8	ZnO:Al \hat{a} €“ A yellowish orange emitting phosphor for Blue Light -Converted White Light Emitting Diode (WLEDs). Ceramics International, 2018, 44, 14518-14522.	4.8	13
9	Yellow emitting Cd doped SnO ₂ nanophosphor for phosphor converted white LED applications. Materials Science in Semiconductor Processing, 2018, 85, 141-149.	4.0	20
10	Luminescent Solar Concentrators \hat{a} €“ The Solar Waveguides. Current Science, 2018, 114, 1656.	0.8	8
11	Near UV excitable yellow light emitting Zn doped MgO for WLED application. Superlattices and Microstructures, 2017, 106, 174-183.	3.1	20
12	Green light emitting Zn doped $\hat{1}^2$ -Ga ₂ O ₃ nanophosphor. AIP Conference Proceedings, 2017, , .	0.4	3
13	Low voltage cathode-luminescent properties of Zn co-doped Y ₂ O ₃ :Eu red phosphor. Journal of Luminescence, 2016, 177, 249-253.	3.1	8
14	Synthesis of blue light excitable white light emitting ZnO for luminescent converted light emitting diodes (LUCOLEDs). Materials Letters, 2016, 165, 153-155.	2.6	20
15	Sol \hat{a} €“gel derived flux assisted synthesis of fine particles YAG:Ce ³⁺ phosphor for remote phosphor converted white light emitting diodes. Materials Research Bulletin, 2016, 74, 485-490.	5.2	12
16	Facile microwave-assisted synthesis of titanium dioxide decorated graphene nanocomposite for photodegradation of organic dyes. AIP Advances, 2015, 5, .	1.3	23
17	Synthesis of the graphene-ZnTiO ₃ nanocomposite for solar light assisted photodegradation of methylene blue. Journal Physics D: Applied Physics, 2015, 48, 415305.	2.8	22
18	Effect of Annealing Temperature on Band Gap of ZnO and Carbon Doped ZnO Thin Films. Journal of Nanoelectronics and Optoelectronics, 2015, 10, 24-27.	0.5	2

#	ARTICLE	IF	CITATIONS
19	Synthesis of few layer graphene by direct exfoliation of graphite and a Raman spectroscopic study. AIP Advances, 2014, 4, .	1.3	170
20	Synthesis of ZnO decorated graphene nanocomposite for enhanced photocatalytic properties. Journal of Applied Physics, 2014, 115, .	2.5	79
21	Synthesis and Characterization of ZnO-Based Phosphors and Related Phosphor Composites in Bulk, Thin Film and Nano Form. Springer Series in Materials Science, 2014, , 247-268.	0.6	0
22	Dynamic quenching study of 2-amino-3-bromo-1,4-naphthoquinone by titanium dioxide nano particles in solution (methanol). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 114, 272-276.	3.9	13
23	Effective Removal of Nickel(II) Ion by Using Nano Fe ₃ O ₄ . Advanced Materials Research, 2013, 678, 7-11.	0.3	0
24	Investigation of thermal performance of a copper heat pipe with TiO ₂ nanoparticles. , 2013, , .		2
25	A Comparative Study of the Adsorption Efficiency of the Newly Synthetic Nano Iron Oxide and Commercial Activated Charcoal Towards the Removal of the Nickel(II) Ions. E-Journal of Chemistry, 2012, 9, 2384-2393.	0.5	4
26	Cellulose Nanocomposites for High-Performance Applications. , 2011, , 539-587.		13
27	Cellulose nanocomposites with nanofibres isolated from pineapple leaf fibers for medical applications. Carbohydrate Polymers, 2011, 86, 1790-1798.	10.2	304
28	Structure, morphology and thermal characteristics of banana nano fibers obtained by steam explosion. Bioresource Technology, 2011, 102, 1988-1997.	9.6	472
29	Structural, optical and photoconductive properties of electron beam evaporated CdS _x Se _{1-x} films. Crystal Research and Technology, 2010, 45, 414-420.	1.3	4
30	Biosynthesis of silver and gold nanoparticles using Brevibacterium casei. Colloids and Surfaces B: Biointerfaces, 2010, 77, 257-262.	5.0	469
31	Isolation of nanocellulose from pineapple leaf fibres by steam explosion. Carbohydrate Polymers, 2010, 81, 720-725.	10.2	532
32	Agro-Based Biocomposites for Industrial Applications. Molecular Crystals and Liquid Crystals, 2010, 522, 18/[318]-27/[327].	0.9	24
33	Synthesis and Formation Mechanism of ZnO Nanobrushes. , 2010, , .		0
34	Pineapple Leaf Fibers for Composites and Cellulose. Molecular Crystals and Liquid Crystals, 2010, 522, 36/[336]-41/[341].	0.9	21
35	Properties of CdS films deposited by the electron beam evaporation technique. Journal of Alloys and Compounds, 2010, 503, 170-176.	5.5	21
36	UV excitable Y ₂ O ₃ :Gd _y SiO ₅ :Ce _x phosphors for cool white light emission. Applied Physics A: Materials Science and Processing, 2009, 94, 607-612.	2.3	13

#	ARTICLE	IF	CITATIONS
37	Photoconductive studies on electron beam evaporated CdSe films. <i>Physica B: Condensed Matter</i> , 2009, 404, 2449-2454.	2.7	20
38	SrS:Ce/ZnS:Mn-A di-band phosphor for near-UV and blue LED-converted white-light emitting diodes. <i>Journal of Luminescence</i> , 2009, 129, 991-995.	3.1	8
39	A new red colour emitting phosphor ZnS:Mn co-doped with Ba for electroluminescent (EL) displays. <i>Displays</i> , 2009, 30, 202-204.	3.7	16
40	Study of pulsed laser deposited ZnGa_2O_4 :Mn phosphor thin films in an oxygen controlled environment. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 155301.	2.8	6
41	White light emitting diode synthesis using near ultraviolet light excitation on Zinc oxide-Silicon dioxide nanocomposite. <i>Scripta Materialia</i> , 2008, 59, 722-725.	5.2	36
42	Color tuning of $\text{Y}_3\text{Al}_5\text{O}_{12}:\text{Ce}$ phosphor and their blend for white LEDs. <i>Materials Research Bulletin</i> , 2008, 43, 1657-1663.	5.2	125
43	A Novel Method for the Synthesis of Cellulose Nanofibril Whiskers from Banana Fibers and Characterization. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 5617-5627.	5.2	305
44	FORMATION OF ZnO NANOBUSHES IN DIRECT ATMOSPHERE USING A CARBON CATALYST AND A Zn METAL SOURCE. <i>Nano</i> , 2008, 03, 361-365.	1.0	4
45	Improved Luminescence of $\text{Zn}_2\text{SiO}_4:\text{Mn}$ Green Phosphor Prepared by Gel Combustion Synthesis of $\text{ZnO}:\text{Mn}-\text{SiO}_2$. <i>Journal of the Electrochemical Society</i> , 2007, 154, H297.	2.9	21
46	Low temperature synthesis of SrS:Ce phosphor by carbothermal reduction method: Influence of sulfur and charge compensator on the luminescent properties. <i>Materials Research Bulletin</i> , 2007, 42, 753-761.	5.2	10
47	Structural and luminescence properties of pulsed laser deposited green-emitting $\text{Zn}_2\text{SiO}_4:\text{Mn}$ phosphor thin films. <i>Scripta Materialia</i> , 2007, 57, 433-436.	5.2	27
48	Structure, microstructure and physical properties of ZnO based materials in various forms: bulk, thin film and nano. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 6312-6327.	2.8	147
49	Luminescent properties of near UV excitable $\text{Ba}_2\text{ZnS}_3:\text{Mn}$ red emitting phosphor blend for white LED and display applications. <i>Journal Physics D: Applied Physics</i> , 2006, 39, 2701-2706.	2.8	31
50	Thin film luminescence of $\text{ZnGa}_2\text{O}_4:\text{Mn}$ deposited by PLD. <i>Scripta Materialia</i> , 2006, 54, 237-240.	5.2	14
51	Influence of Preparation Conditions on the Structural and Luminescent Properties of Blue-Emitting $\text{SrGa}_2\text{S}_4:\text{Ce}$ Thin-Film Phosphors. <i>ChemInform</i> , 2003, 34, no.	0.0	0
52	Influence of Preparation Conditions on the Structural and Luminescent Properties of Blue-Emitting $\text{SrGa}_2\text{S}_4:\text{Ce}$ Thin-Film Phosphors. <i>Journal of the Electrochemical Society</i> , 2002, 149, H165.	2.9	10
53	Synthesis and Characterization of Fine Particle $\text{Y}_2\text{O}_3:\text{S:Eu}$ Red Phosphor at Low-Voltage Excitation. <i>Journal of the Electrochemical Society</i> , 2000, 147, 1612.	2.9	33
54	Growth and Characterization of $\text{Y}_2\text{O}_3:\text{Ce}$ Thin-Film Blue-Emitting Phosphor. <i>Journal of the Electrochemical Society</i> , 1999, 146, 4320-4323.	2.9	42

#	ARTICLE	IF	CITATIONS
55	Divalent europium-activated alkaline-earth-metal chlorophosphate luminophores [M ₅ (PO ₄) ₃ Cl:Eu ²⁺ ; M=Ca, Sr, Ba] by self-propagating high-temperature synthesis. <i>Journal of Materials Chemistry</i> , 1997, 7, 345-349.	6.7	22
56	Yttrium oxide:Eu ³⁺ red phosphor by self-propagating high temperature synthesis. <i>Materials Research Bulletin</i> , 1996, 31, 1013-1020.	5.2	66
57	Eu ³⁺ luminescence: A spectral probe in M ₅ (PO ₄) ₃ X apatites (M=Ca or Sr; X=F-, Cl-, Br-or OH-). <i>Journal of Physics Condensed Matter</i> , 1995, 7, 8453-8466.	1.8	78
58	Defects Induced Enhancement of Eu ³⁺ Emission in Yttria (Y ₂ O ₃ :Eu ³⁺). <i>Japanese Journal of Applied Physics</i> , 1994, 33, 6207-6212.	1.5	24
59	Eu ²⁺ luminescence in M ₅ (PO ₄) ₃ X apatites, where M is Ca ²⁺ , Sr ²⁺ and Ba ²⁺ , and X is F-, Cl-, Br- and OH-. <i>Journal Physics D: Applied Physics</i> , 1994, 27, 2210-2215.	2.8	93
60	Luminescence of Bi ³⁺ in boron rich La ₂ O ₃ -CaO-B ₂ O ₃ (glass and crystalline) ternary system. <i>Materials Research Bulletin</i> , 1991, 26, 481-486.	5.2	3
61	Synthesis of Zn-doped Y ₂ O ₃ :Eu fine particle phosphor by sol-gel method. , 0, , .		0
62	Atomic Absorption Spectral Studies on the Removal of Lead (II) Ion by Using Synthetic Nano and Macro Fe ₃ O ₄ . <i>Advanced Materials Research</i> , 0, 584, 173-177.	0.3	0