

Ramchandra Pode Male

List of Publications by Year in descending order

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57
papers

2,713
citations

304743

22
h-index

182427

51
g-index

57
all docs

57
docs citations

57
times ranked

3504
citing authors

#	ARTICLE	IF	CITATIONS
1	Potential of lithium-ion batteries in renewable energy. <i>Renewable Energy</i> , 2015, 76, 375-380.	8.9	680
2	Potential applications of rice husk ash waste from rice husk biomass power plant. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 53, 1468-1485.	16.4	515
3	Ideal host and guest system in phosphorescent OLEDs. <i>Organic Electronics</i> , 2009, 10, 240-246.	2.6	186
4	Organic light emitting diode devices: An energy efficient solid state lighting for applications. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 133, 110043.	16.4	113
5	Low roll-off efficiency green phosphorescent organic light-emitting devices with simple double emissive layer structure. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	89
6	Efficient simple structure red phosphorescent organic light emitting devices with narrow band-gap fluorescent host. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	79
7	Small molecule interlayer for solution processed phosphorescent organic light emitting device. <i>Organic Electronics</i> , 2009, 10, 189-193.	2.6	67
8	Financing LED solar home systems in developing countries. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 25, 596-629.	16.4	63
9	A highly efficient transition metal oxide layer for hole extraction and transport in inverted polymer bulk heterojunction solar cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 6895.	10.3	63
10	Highly efficient bilayer green phosphorescent organic light emitting devices. <i>Applied Physics Letters</i> , 2008, 92, 113311.	3.3	59
11	Solution to enhance the acceptability of solar-powered LED lighting technology. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 1096-1103.	16.4	56
12	Soluble processed low-voltage and high efficiency blue phosphorescent organic light-emitting devices using small molecule host systems. <i>Organic Electronics</i> , 2012, 13, 586-592.	2.6	49
13	Efficient micro-cavity top emission OLED with optimized Mg:Ag ratio cathode. <i>Optics Express</i> , 2017, 25, 29906.	3.4	47
14	Low voltage efficient simple p-i-n type electrophosphorescent green organic light-emitting devices. <i>Applied Physics Letters</i> , 2009, 94, 133303.	3.3	40
15	Efficient multiple triplet quantum well structures in organic light-emitting devices. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	38
16	Addressing India's energy security and options for decreasing energy dependency. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 3014-3022.	16.4	38
17	Solution to sustainable rural electrification in Myanmar. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 59, 107-118.	16.4	35
18	High efficiency red phosphorescent organic light-emitting diodes with single layer structure. <i>Organic Electronics</i> , 2010, 11, 179-183.	2.6	34

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19	Sustainable rural electrification using rice husk biomass energy: A case study of Cambodia. Renewable and Sustainable Energy Reviews, 2015, 44, 530-542.	16.4	33
20	Highly reliable and transparent Al doped Ag cathode fabricated using thermal evaporation for transparent OLED applications. Organic Electronics, 2020, 76, 105418.	2.6	33
21	Device performances of third order micro-cavity green top-emitting organic light emitting diodes. Organic Electronics, 2015, 26, 458-463.	2.6	30
22	Initiative for 100% rural electrification in developing countries: Case study of Senegal. Energy Policy, 2013, 59, 926-930.	8.8	29
23	Efficiency Control in Iridium Complex-Based Phosphorescent Light-Emitting Diodes. Advances in Materials Science and Engineering, 2012, 2012, 1-14.	1.8	22
24	Low absorption semi-transparent cathode for micro-cavity top-emitting organic light emitting diodes. Organic Electronics, 2018, 52, 153-158.	2.6	22
25	Next generation smart window display using transparent organic display and light blocking screen. Optics Express, 2018, 26, 8493.	3.4	22
26	Study of Cu-doped SnO thin films prepared by reactive co-sputtering with facing targets of Sn and Cu. Thin Solid Films, 2016, 608, 102-106.	1.8	20
27	Stoichiometric p-type Cu ₂ O thin films prepared by reactive sputtering with facing target. Thin Solid Films, 2017, 623, 121-126.	1.8	19
28	Battery charging stations for home lighting in Mekong region countries. Renewable and Sustainable Energy Reviews, 2015, 44, 543-560.	16.4	18
29	Recycling mobile phone batteries for lighting. Renewable Energy, 2015, 78, 509-515.	8.9	18
30	Degradation of OLED performance by exposure to UV irradiation. RSC Advances, 2019, 9, 42561-42568.	3.6	18
31	Optical Properties of Eu _x Re _{1-x} (TTA) ₃ Phen Organic Complexes in Different Solvents. Journal of the Korean Physical Society, 2010, 57, 746-751.	0.7	18
32	Efficiency optimization of green phosphorescent organic light-emitting device. Thin Solid Films, 2011, 519, 3259-3263.	1.8	17
33	Effectiveness of a polyvinylpyrrolidone interlayer on a zinc oxide film for interfacial modification in inverted polymer solar cells. RSC Advances, 2014, 4, 49855-49860.	3.6	15
34	High Efficiency Top-Emission Organic Light Emitting Diodes with Second and Third-Order Microcavity Structure. ECS Journal of Solid State Science and Technology, 2016, 5, R3131-R3137.	1.8	14
35	An accurate measurement of the dipole orientation in various organic semiconductor films using photoluminescence exciton decay analysis. Physical Chemistry Chemical Physics, 2019, 21, 7083-7089.	2.8	14
36	On the problem of open circuit voltage in metal phthalocyanine/C60 organic solar cells. Advanced Materials Letters, 2012, 2, 3-11.	0.6	14

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37	Electrical Characterization of <i>N</i> - and <i>P</i> -Doped Hole and Electron Only Organic Devices. Journal of Nanoscience and Nanotechnology, 2008, 8, 5606-5609.	0.9	10
38	Solution processed efficient orange phosphorescent organic light-emitting device with small molecule host. Journal Physics D: Applied Physics, 2010, 43, 025101.	2.8	10
39	Development of solar home systems for home lighting for the base of the pyramid population. Sustainable Energy Technologies and Assessments, 2013, 3, 27-32.	2.7	10
40	Efficient cathode contacts through Ag-doping in multifunctional strong nucleophilic electron transport layer for high performance inverted OLEDs. Organic Electronics, 2021, 89, 106031.	2.6	8
41	Synthesis and photophysics of a new deep red soluble phosphorescent iridium(III) complex based on chlorine-methyl-substituted 2,4 diphenyl quinoline. Journal of Physics and Chemistry of Solids, 2011, 72, 1524-1528.	4.0	7
42	Low-Voltage, Simple-Structure, High-Efficiency <i>n</i> -Type Electrophosphorescent Blue Organic Light-Emitting Diodes. Japanese Journal of Applied Physics, 2010, 49, 102102.	1.5	6
43	A Deep Blue Strong Microcavity Organic Light-Emitting Diode Optimized by a Low Absorption Semitransparent Cathode and a Narrow Bandwidth Emitter. Advanced Photonics Research, 2021, 2, 2000122.	3.6	6
44	Efficient red light phosphorescence emission in simple bi-layered structure organic devices with fluorescent host-phosphorescent guest system. Current Applied Physics, 2009, 9, 1151-1154.	2.4	5
45	Thermal Annealing Effect of Subphthalocyanine (SubPc) Donor Material in Organic Solar Cells. Molecular Crystals and Liquid Crystals, 2012, 565, 8-13.	0.9	5
46	Stable Efficiency Roll-off in Solution-processed Phosphorescent Green Organic Light-emitting Diodes. Journal of the Korean Physical Society, 2009, 55, 327-330.	0.7	5
47	OLED Lighting Technology. Green Energy and Technology, 2011, , 97-149.	0.6	3
48	Hydrophobic Properties of Polytetrafluoroethylene Thin Films Fabricated at Various Catalyzer Temperatures Through Catalytic Chemical Vapor Deposition Using a Tungsten Catalyzer. Journal of Nanoscience and Nanotechnology, 2011, 11, 5829-5833.	0.9	3
49	High Efficiency Red Phosphorescent Organic Light-Emitting Diodes with Simple Structure. , 0, , .		2
50	High-Performance Organic Light-Emitting Diode Displays. Integrated Circuits and Systems, 2013, , 57-81.	0.2	2
51	OLED Pixel Shrinkage Dependence with Cathode Influenced by Thermal Effect. IEEE Electron Device Letters, 2018, , 1-1.	3.9	2
52	A Comparative Study of the VOC in CuPc and SubPc Organic Solar Cells. Molecular Crystals and Liquid Crystals, 2013, 585, 128-137.	0.9	1
53	Appraisal of Structural, Thermal, and Optical Properties of Novel Bluish-Violet Light-Emitting Cyclometallated Iridium (III) (Cl-H-DPQ)2Ir(acac) Complex for OLED Devices. ECS Journal of Solid State Science and Technology, 2021, 10, 076006.	1.8	1
54	2009: New Green Phosphorescent Host Materials. Digest of Technical Papers SID International Symposium, 2008, 39, 1993-1996.	0.3	0

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55	Study of Nanoscale Photopolymerized Fullerene Clusters in Solution Droplets Using an Ultrasonic Nebulizer Unit. Journal of Nanoscience and Nanotechnology, 2011, 11, 6463-6467.	0.9	0
56	Why Clean Energy?. Green Energy and Technology, 2011, , 1-18.	0.6	0
57	Acceptability of Solar Powered LED Lighting. Green Energy and Technology, 2011, , 151-174.	0.6	0