

# Arunandan Kumar

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

586  
citations

623734

14  
h-index

610901

24  
g-index

29  
all docs

29  
docs citations

29  
times ranked

919  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phosphine oxide functionalized pyrenes as efficient blue light emitting multifunctional materials for organic light emitting diodes. <i>Journal of Materials Chemistry C</i> , 2015, 3, 1208-1224.	5.5	84
2	Efficiency enhancement of organic light emitting diode via surface energy transfer between exciton and surface plasmon. <i>Organic Electronics</i> , 2012, 13, 159-165.	2.6	71
3	Surface plasmon enhanced blue organic light emitting diode with nearly 100% fluorescence efficiency. <i>Organic Electronics</i> , 2012, 13, 1750-1755.	2.6	61
4	Synthesis and characterization of 9,10-bis(2-phenyl-1,3,4-oxadiazole) derivatives of anthracene: Efficient n-type emitter for organic light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2009, 19, 6172.	6.7	49
5	Photophysical and electroluminescence properties of bis(2,6-difluoro-2,3-bipyridinato-N,C4)iridium(picolate) complexes: effect of electron-withdrawing and electron-donating group substituents at the 4 position of the pyridyl moiety of the cyclometalated ligand. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7405-7420.	5.5	41
6	Synthesis and characterization of novel 2,5-diphenyl-1,3,4-oxadiazole derivatives of anthracene and its application as electron transporting blue emitters in OLEDs. <i>Synthetic Metals</i> , 2011, 161, 869-880.	3.9	37
7	Enhancement of light extraction efficiency of organic light emitting diodes using nanostructured indium tin oxide. <i>Optics Letters</i> , 2012, 37, 575.	3.3	36
8	Energy transfer process between exciton and surface plasmon: Complete transition from Forster to surface energy transfer. <i>Applied Physics Letters</i> , 2013, 102, 203304.	3.3	30
9	Effect of doping of cesium carbonate on electron transport in Tris(8-hydroxyquinolato) aluminum. <i>Organic Electronics</i> , 2013, 14, 1391-1395.	2.6	19
10	Effect of doping of 8-hydroxyquinolinatolithium on electron transport in tris(8-hydroxyquinolato)aluminum. <i>Journal of Applied Physics</i> , 2011, 109, 114511.	2.5	18
11	White electroluminescence from stacked organic light emitting diode. <i>Synthetic Metals</i> , 2010, 160, 756-761.	3.9	15
12	Dependence of charge carrier mobility of 4,4'-tris(N-3-methylphenyl-N-phenylamino)triphenylamine on doping concentration of tetrafluoro-tetracyano-quinodimethane. <i>Organic Electronics</i> , 2012, 13, 394-398.	2.6	15
13	Exciton quenching by diffusion of 2,3,5,6-tetrafluoro-7,7 <sup>TM</sup> ,8,8 <sup>TM</sup> -tetra cyano quino dimethane and its consequences on joule heating and lifetime of organic light-emitting diodes. <i>Optics Letters</i> , 2013, 38, 3854.	3.3	15
14	Study of shifting of recombination zone in multi-emissive layer organic light emitting devices and its effect on color stability. <i>Journal of Luminescence</i> , 2013, 136, 249-254.	3.1	14
15	Colloidal Quantum Dot Integrated Light Sources for Plasmon Mediated Photonic Waveguide Excitation. <i>ACS Photonics</i> , 2016, 3, 844-852.	6.6	14
16	Ternary zinc complexes as electron transport and electroluminescent materials. <i>Journal of Organometallic Chemistry</i> , 2013, 740, 116-122.	1.8	12
17	Low voltage organic light emitting diode using p-i-n structure. <i>Synthetic Metals</i> , 2010, 160, 1126-1129.	3.9	11
18	Improved light extraction efficiency with angle independent electroluminescence spectrum in nano-phosphor coated white organic light emitting diodes. <i>Synthetic Metals</i> , 2011, 161, 1172-1176.	3.9	8

#	ARTICLE	IF	CITATIONS
19	Spatially uniform enhancement of single quantum dot emission using plasmonic grating decoupler. Scientific Reports, 2015, 5, 16796.	3.3	6
20	Outcoupling efficiency enhancement in organic light emitting diodes via nano-structured indium tin oxide and nano-phosphors. Organic Electronics, 2012, 13, 2879-2886.	2.6	5
21	Chemical structure dependent electron transport in 9,10-bis(2-phenyl-1,3,4-oxadiazole) derivatives of anthracene. RSC Advances, 2014, 4, 12206.	3.6	5
22	Tunable field effect properties in solid state and flexible graphene electronics on composite high $\epsilon$ low k dielectric. Carbon, 2016, 99, 579-584.	10.3	5
23	Field, temperature and thickness dependent electron transport in 5,5 $\epsilon^2$ -(2,6-di-tert-butylanthracene-9,10-diyl)bis(2-p-tolyl-1,3,4-oxadiazole). Synthetic Metals, 2010, 160, 774-778.	3.9	4
24	Thermally activated field assisted carrier generation and transport in N,N $\epsilon^2$ -di-[(1-naphthalenyl)-N,N $\epsilon^2$ -diphenyl]-(1,1 $\epsilon^2$ biphenyl)-4,4 $\epsilon^2$ -diamine doped with 2,3,5,6-tetrafluoro-7,7 $\epsilon^2$ ,8,8 $\epsilon^2$ -tetracyanoquinodimethane. Journal of Applied Physics, 2008, 104, 124509.	2.5	3
25	Organic Light Emitting Diodes for White Light Emission. , 0, , .		3
26	Conductive cooling in white organic light emitting diode for enhanced efficiency and life time. Applied Physics Letters, 2015, 106, .	3.3	3
27	Charge transport study in bis{2-(2-hydroxyphenyl) benzoxazolate} zinc [Zn(hpb) <sub>2</sub> ]. Journal Physics D: Applied Physics, 2008, 41, 195109.	2.8	1
28	Plasmon-induced slow aging of exciton generation and dissociation for stable organic solar cells. Optica, 2016, 3, 1115.	9.3	1
29	Multi emissive layer type white organic light emitting diode based on zinc metal complexes. , 2012, , .		0