Poopathy Kathirgamanathan

List of Publications by Year
in descending order

60	1,072	393982	414034
papers	citations	19 h-index	32 g-index

62	62	62	1091
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	54â€4: Intense Pulsed Light Annealed ZnO for the Production of High Efficiency Inverted QLEDs. Digest of Technical Papers SID International Symposium, 2019, 50, 754-757.	0.1	0
2	Intense pulsed light (IPL) annealed solâ€“gel derived ZnO electron injector for the production of high efficiency inverted quantum dot light emitting devices (QLEDs). RSC Advances, 2018, 8, 36632-36646.	1.7	4
3	High efficiency and highly saturated red emitting inverted quantum dot devices (QLEDs): optimisation of their efficiencies with low temperature annealed solâ€“gel derived ZnO as the electron transporter and a novel high mobility hole transporter and thermal annealing of the devices. Journal of Materials Chemistry C, 2018, 6, 11622-11644.	2.7	12
4	Zirconium Tetrakis(8-hydroxyquinolinolate) and Lithium Schiff-Base Cluster Complex for Efficient Charge Injection and Transfer in Green PHOLED processed by OVPD. MRS Advances, 2018, 3, 3471-3476.	0.5	0
5	6â€1: Invited Paper: Quantum Dot Electroluminescence to Achieve Saturated Colours for REC2020 Compatibility: A comparative study of CdSe/ZnS and Cd Free QD Systems. Digest of Technical Papers SID International Symposium, 2017, 48, 51-54.	0.1	2
6	48-3:Invited Paper: Quantum Dot Electroluminescence: Towards Achieving the REC 2020 Colour Co-ordinates. Digest of Technical Papers SID International Symposium, 2016, 47, 652-656.	0.1	2
7	20.1: Invited Paper: Red and Green Quantum Dot Based LEDs Demonstrating Excellent Color Coordinates. Digest of Technical Papers SID International Symposium, 2015, 46, 266-269.	0.1	4
8	P-141: New High Tg Hole Transporters: High Performance at High Luminance for Phosphorescent OLEDs. Digest of Technical Papers SID International Symposium, 2015, 46, 1691-1694.	0.1	0
9	Paper No S14.1: OLEDs and QLEDs (Invited Paper). Digest of Technical Papers SID International Symposium, 2015, 46, 61-61.	0.1	0
10	Energy level tuning of blue emitting and electron transporting vinylene bis(vinyl quinolinyl)benzene derivatives: synthesis, characterisation, thin film characterisation and performance in OLEDs. Journal of Materials Chemistry C, 2015, 3, 6652-6667.	2.7	5
11	Electroluminescent Organic and Quantum Dot LEDs: The State of the Art. Journal of Display Technology, 2015, 11, 480-493.	1.3	47
12	Large area quantitative analysis of nanostructured thin-films. RSC Advances, 2015, 5, 12409-12415.	1.7	1
13	Isolation and Characterisation of 2-Tert-butyl-8-hydroxyquinoline as a Crystalline Solid and Its Blue Fluorescent Li Complex. Advances in Materials Science and Engineering, 2014, 2014, 1-5.	1.0	0
14	Electrical Characterization of Electrochemically Grown ZnO Nanorods using STM. Materials Research Society Symposia Proceedings, 2012, 1391, 71.	0.1	4
15	Investigating the Photoelectrochemistry of Transparent ZnO Grown on ITO/Plastic for Flexible Photoelectrochemical Cell and Photovoltaic Application. Materials Research Society Symposia Proceedings, 2012, 1387, 1.	0.1	0
16	Novel lithium Schiff-base cluster complexes as electron injectors: synthesis, crystal structure, thin film characterisation and their performance in OLEDs. Journal of Materials Chemistry, 2012, 22, 6104.	6.7	23
17	Discovery of two new phases of zirconium tetrakis(8-hydroxyquinolinolate): synthesis, crystal structure and their electron transporting characteristics in organic light emitting diodes (OLEDs). Journal of Materials Chemistry, 2011, 21, 1762-1771.	6.7	28
18	Arylvinylene phenanthroline derivatives for electron transport in blue organic light emitting diodes. Organic Electronics, 2011, 12, 666-676.	1.4	23

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19	32.2: Electron Transporters Based on Lithium Complexes: Transition from Electron Injecting to Electron Transporting Characteristics. Digest of Technical Papers SID International Symposium, 2010, 41, 465-468.	0.1	3
20	Novel Phenanthroline Derivatives for Electron Transport in Organic Light-emitting Diodes. Chemistry Letters, 2010, 39, 1222-1224.	0.7	14
21	Electroless plating-A new technique for the preparation of hard tissue specimens for scanning electron microscopy. Scanning, 2008, 16, 18-20.	0.7	1
22	47.1: Invited Paper: Charge Transporters for OLED's: Strategies and Performance. Digest of Technical Papers SID International Symposium, 2008, 39, 701.	0.1	1
23	P-202: Novel Electron Transporter and Hole Injector for OLEDs with Improved Device Characteristics and Longer Lifetime. Digest of Technical Papers SID International Symposium, 2006, 37, 986.	0.1	1
24	Functionalised organosulfur donor molecules: synthesis of racemic hydroxymethyl-, alkoxymethyl- and dialkoxymethyl-bis(ethylenedithio)tetrathiafulvalenes. Tetrahedron, 2001, 57, 5015-5026.	1.0	26
25	Structures of a novel trinuclear palladium(II) dithiocarbamate complex and of bis(diethyldithiocarbamato)dibromopalladium(IV). Inorganica Chimica Acta, 2000, 303, 137-139.	1.2	12
26	Measurements of incendivity of electrostatic discharges from textiles used in personal protective clothing. Journal of Electrostatics, 2000, 49, 51-70.	1.0	23
27	White light electroluminescence from PSi devices capped with poly(thiophene)(s) as top contact. Synthetic Metals, 2000, 110, 233-240.	2.1	17
28	Light emitting devices from organic charge transfer adduct thin films. Materials Letters, 1999, 40, 285-293.	1.3	8
29	The modification of the room-temperature conductivity of electrodeposited Bu4NNi(dmit)2 with ambient gases. Synthetic Metals, 1996, 76, 313-315.	2.1	6
30	Conducting polymer cathodes for high-frequency operable electrolytic niobium capacitors. Synthetic Metals, 1995, 74, 165-170.	2.1	9
31	Electrical and optical characteristics of electrode posited thin films of some novel poly(pyrrole)(s)â€. International Journal of Electronics, 1994, 77, 937-943.	0.9	1
32	Partially Immersed Cylindrical Horizontally Revolving Electrodes for the Production of Conducting Polymers. Journal of the Electrochemical Society, 1994, 141, 147-150.	1.3	149
33	Ultrasound-assisted electroless deposition of copper onto and into microporous membranes for electromagnetic shielding. Polymer, 1994, 35, 430-432.	1.8	13
34	Novel cable shielding materials based on the impregnation of microporous membranes with inherently conducting polymers. Advanced Materials, 1993, 5, 281-283.	11.1	31
35	Electropolymerisation of novel conducting poly(3-trimethylsilylthiophen). Journal of Electroanalytical Chemistry, 1993, 348, 447-450.	1.9	9
36	Anodic and cathodic electropolymerisation of novel lightly coloured poly(phenanthro[9-10c]thiophen) and its electrical characterisation. Journal of Electroanalytical Chemistry, 1993, 354, 305-309.	1.9	10

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37	Curable electrically conductive resins with polyaniline fillers. Polymer, 1993, 34, 2907-2908.	1.8	29
38	Microwave welding of thermoplastics using inherently conducting polymers. Polymer, 1993, 34, 3105-3106.	1.8	36
39	Light-coloured conductive fillers for the production of charge dissipative polymers. Polymer, 1993, 34, 1549-1550.	1.8	3
40	Ultrasound-assisted impregnation of barium titanate into microporous polyethylene membranes for the production of highly dielectric films. Journal of Materials Science Letters, 1993, 12, 1810-1811.	0.5	2
41	Unusual electromagnetic shielding characteristics of inherently conducting polymer-coated metal powder/polymer composites. Journal of Materials Chemistry, 1993, 3, 259.	6.7	22
42	Direct Electrodeposition of Metals and Conducting Polymers on Nonwoven Thermoplastics on a Continuous Basis. Journal of the Electrochemical Society, 1993, 140, 2815-2818.	1.3	47
43	Electro-reticulation for the production of transparent conducting polymers. Journal of the Chemical Society Chemical Communications, 1992, , 1630.	2.0	1
44	Conducting polymer surface dynamics. Journal of the Chemical Society Chemical Communications, 1992, , 1646.	2.0	1
45	The synthesis and characterization of a poly(maleimide-ether) containing pendent thiophene rings. Journal of Polymer Science Part A, 1992, 30, 2773-2780.	2.5	11
46	Towards highly oriented polythiophenes incorporating mesogenic or tetrathiafulvalene substituents. Synthetic Metals, 1991, 39, 397-400.	2.1	69
47	Novel conducting soluble co-polymers of aniline. Journal of Materials Chemistry, 1991, 1, 141.	6.7	12
48	Thermal and electrical conduction studies on polypyrrole tetracyanoplatinate. Journal of Materials Chemistry, 1991, 1, 103.	6.7	4
49	Electrochemical and chemical formation of blends, composites and co-polymers of 3-(methoxyethoxyethoxymethyl)thiophene. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1988, 247, 351-353.	0.3	4
50	Synthesis and cyclic voltammetric behaviour of some 3-substituted thiophenes and pyrroles: Precursors for the preparation of conducting polymers. Synthetic Metals, 1988, 26, 153-168.	2.1	44
51	Soluble, conducting polymers from 3-substituted thiophenes and pyrroles. Journal of the Chemical Society Chemical Communications, 1987, , 466.	2.0	113
52	Preparation of the incomplete cubane-type sulfur-capped Mo3O2S24+ aqua ion and x-ray structure of (pyH)5 [Mo3O2S2(NCS)9]Â·2H2O. Inorganica Chimica Acta, 1986, 113, L19-L21.	1.2	36
53	Perylene and its monoperchlorates: conductivities of compounds and mixtures. Journal of the Chemical Society Perkin Transactions II, 1985, , 135.	0.9	4
54	A novel electrochemical method for the preparation of triangular and cubic molybdenum clusters as aqua ions. Journal of the Chemical Society Chemical Communications, 1985, , 953.	2.0	19

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55	The highly conductive nonstoicheiometric tetrathiafulvalene nitrate: composition, conductivity, and structure. Journal of the Chemical Society Perkin Transactions II, 1982, , 593.	0.9	16
56	Conductive mixed-halide adducts of tetrathiafulvalene obtained by electrocrystallisation. Journal of the Chemical Society Chemical Communications, 1981, , 378.	2.0	6
57	Electrocrystallised metalâ€“tetracyanoquinodimethane salts with high electrical conductivity. Journal of the Chemical Society Chemical Communications, 1980, , 839-840.	2.0	33
58	Perturbation calculation from the charge-transfer spectrum data of intervalence site-transfer D.C. conductivity in Prussian Blue. Journal of the Chemical Society Chemical Communications, 1980, , 840.	2.0	21
59	Novel conductive adducts of tetrathiafulvalene and tetrathiatetracene. Journal of the Chemical Society Chemical Communications, 1980, , 356.	2.0	18
60	Electrocrystallisation of conductive nonstoicheiometric adducts of tetrathiafulvalene with inorganic or organic anions, and of similar adducts of tetracyanoquinodimethane. Journal of the Chemical Society Chemical Communications, 1979, , 86.	2.0	32