

# Le Zhang

## List of Publications by Year in descending order

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37  
papers

727  
citations

516710

16  
h-index

526287

27  
g-index

37  
all docs

37  
docs citations

37  
times ranked

606  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of intrinsic donor defects in ZnO ceramics by dielectric spectroscopy. Applied Physics Letters, 2008, 93, .	3.3	95
2	Effect of Triplet Confinement on Triplet-Triplet Annihilation in Organic Phosphorescent Host-Guest Systems. Advanced Functional Materials, 2018, 28, 1804618.	14.9	60
3	Analysis of Organic Light-Emitting Diode As a Maxwell-Wagner Effect Element by Time-Resolved Optical Second Harmonic Generation Measurement. Journal of Physical Chemistry Letters, 2010, 1, 803-807.	4.6	55
4	Analysis of Carrier Transients in Double-Layer Organic Light Emitting Diodes by Electric-Field-Induced Second-Harmonic Generation Measurement. Journal of Physical Chemistry C, 2010, 114, 15136-15140.	3.1	46
5	Analyzing carrier lifetime of double-layer organic solar cells by using optical electric-field-induced second-harmonic generation measurement. Applied Physics Letters, 2011, 98, .	3.3	44
6	Direct Probing of Photovoltaic Effect Generated in Double-Layer Organic Solar Cell by Electric-Field-Induced Optical Second-Harmonic Generation. Applied Physics Express, 2011, 4, 021602.	2.4	42
7	Probing of interfacial charging and discharging in double-layer devices with a polyimide blocking layer by time-resolved optical second harmonic generation. Journal of Applied Physics, 2010, 108, .	2.5	35
8	Capacitance-voltage characteristics of a 4,4'-bis[(N-carbazole)styryl]biphenyl based organic light-emitting diode: Implications for characteristic times and their distribution. Applied Physics Letters, 2013, 103, .	3.3	34
9	Effect of polaron diffusion on exciton-polaron quenching in disordered organic semiconductors. Physical Review B, 2017, 95, .	3.2	32
10	Zinc interstitial as a universal microscopic origin for the electrical degradation of ZnO-based varistors under the combined DC and temperature condition. Journal of the European Ceramic Society, 2017, 37, 3535-3540.	5.7	29
11	Clarifying the mechanism of triplet-triplet annihilation in phosphorescent organic host-guest systems: A combined experimental and simulation study. Chemical Physics Letters, 2016, 652, 142-147.	2.6	25
12	Analyzing photovoltaic effect of double-layer organic solar cells as a Maxwell-Wagner effect system by optical electric-field-induced second-harmonic generation measurement. Journal of Applied Physics, 2011, 110, .	2.5	24
13	Channel Formation as an Interface Charging Process in a Pentacene Field Effect Transistor Investigated by Time-Resolved Second Harmonic Generation and Impedance Spectroscopy. Japanese Journal of Applied Physics, 2012, 51, 02BK08.	1.5	24
14	Reverse manipulation of intrinsic point defects in ZnO-based varistor ceramics through Zr-stabilized high ionic conducting $\text{Bi}_2\text{O}_3$ intergranular phase. Journal of the European Ceramic Society, 2018, 38, 1614-1620.	5.7	22
15	Bulk-trap modulated Maxwell-Wagner type interfacial carrier relaxation process in a fullerene/polyimide double-layer device investigated by time-resolved second harmonic generation. Journal of Applied Physics, 2011, 110, .	2.5	18
16	Analysis of the phosphorescent dye concentration dependence of triplet-triplet annihilation in organic host-guest systems. Chemical Physics Letters, 2016, 662, 221-227.	2.6	18
17	Transport limited interfacial carrier relaxation in a double-layer device investigated by time-resolved second harmonic generation and impedance spectroscopy. Applied Physics Letters, 2011, 98, .	3.3	16
18	Analysis of alternating current driven electroluminescence in organic light emitting diodes: A comparative study. Organic Electronics, 2014, 15, 1815-1821.	2.6	15

#	ARTICLE	IF	CITATIONS
19	Direct probing of the selective electron and hole accumulation at organic/organic interfaces in a triple-layer organic device by time-resolved optical second harmonic generation. Applied Physics Letters, 2011, 99, 083301.	3.3	14
20	Unraveling the transition from secondary electron emission dominated to surface charge trap dominated electronic avalanche process along the solid dielectric surface in vacuum. Applied Physics Letters, 2020, 116, .	3.3	12
21	Study of Carrier Behavior in Pentacene in a Au/Pentacene/Ferroelectric Poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Generation Measurement. Japanese Journal of Applied Physics, 2010, 49, 121601.	1.5	11
22	Direct probing of selective electron and hole accumulation processes along the channel of an ambipolar double-layer field-effect transistor by optical modulation spectroscopy. Applied Physics Letters, 2012, 100, 103301.	3.3	8
23	Investigation of the Voltage Establishment and Relaxation Processes in a Double-Layer Device by Time-Resolved Optical Second-Harmonic Generation. Japanese Journal of Applied Physics, 2011, 50, 04DK13.	1.5	7
24	Direct probing of the effective surface layer thickness during surface electrical breakdown along the solid dielectric and gas interface. Applied Surface Science, 2019, 498, 143812.	6.1	7
25	Direct Probing of Carrier Behavior in Electroluminescence Indium Zinc-Oxide/N,N'-Di-[(1-naphthyl)-N,N'-diphenyl]-(1,1'-biphenyl)-4,4'-diamine/Tris(8-hydroxy-quinolinato)aluminum(III)/LiF/Al Diode by Time-Resolved Optical Second-Harmonic Generation. Japanese Journal of Applied Physics, 2011, 50, 04DK08.	1.5	6
26	Carrier hopping transport in semi-crystalline isotactic polypropylene thin films: A revisit to the overestimated hopping distance. Polymer, 2019, 179, 121650.	3.8	6
27	Channel Formation as an Interface Charging Process in a Pentacene Field Effect Transistor Investigated by Time-Resolved Second Harmonic Generation and Impedance Spectroscopy. Japanese Journal of Applied Physics, 2012, 51, 02BK08.	1.5	5
28	Dependence of the Carrier Transport Characteristics on the Buried Layer Thickness in Ambipolar Double-Layer Organic Field-Effect Transistors Investigated by Electrical and Optical Measurements. Japanese Journal of Applied Physics, 2013, 52, 05DC01.	1.5	4
29	The effect of multiscale morphology on electrical conduction characteristics of isotactic polypropylene ultrathin films. Materials Research Express, 2019, 6, 046403.	1.6	3
30	Investigation of the Voltage Establishment and Relaxation Processes in a Double-Layer Device by Time-Resolved Optical Second-Harmonic Generation. Japanese Journal of Applied Physics, 2011, 50, 04DK13.	1.5	3
31	A Statistical Approach for Effectively Analyzing the Grain Size Distribution Along the Thickness Direction in Commercial ZnO-Based Varistor Ceramics. , 2018, , .		2
32	Large bismuth oxide single crystal prepared by aerosol assisted chemical vapor deposition on amorphous substrates. Materials Letters, 2020, 268, 127588.	2.6	2
33	Maxwell-Wagner type interfacial relaxation process in a doublelayer device investigated by time and frequency domain approaches. Physics Procedia, 2011, 14, 46-51.	1.2	1
34	Displacement Current Analysis of Capacitors with Ferroelectric Poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50,142 Td (fluoride-tri	1.2	1
35	Precise thickness control of solution-processed alpha-polypropylene thin film in sub-micron range and its morphological characterization. , 2018, , .		1
36	Determination of Lifetime of Double-Layer CuPc/C60 Organic Solar Cells by Optical Electric-Field-Induced Second-Harmonic Generation Measurement. Physics Procedia, 2011, 14, 167-171.	1.2	0

#	ARTICLE	IF	CITATIONS
37	Probing of Maxwell-Wagner Type Interfacial Charging Process in Double-Layer Devices by Time-Resolved Second Harmonic Generation. IEICE Transactions on Electronics, 2011, E94-C, 141-145.	0.6	0