

# Heinz von Seggern

## List of Publications by Year in descending order

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184  
papers

5,675  
citations

94269

37  
h-index

102304

66  
g-index

186  
all docs

186  
docs citations

186  
times ranked

5503  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ferroelectret energy harvesting with 3D-printed air-spaced cantilever design. Nano Select, 2022, 3, 713-722.	1.9	13
2	Comparative analysis of isothermal decay of the surface potential of fluoroethylenepropylene electrets and of the sensitivity of electret microphones at elevated temperature. AIP Advances, 2020, 10, .	0.6	8
3	Biodegradable cellular polylactic acid ferroelectrets with strong longitudinal and transverse piezoelectricity. Applied Physics Letters, 2020, 117, .	1.5	32
4	Cantilever-based ferroelectret energy harvesting. Applied Physics Letters, 2020, 116, 243901.	1.5	23
5	Microenergy Harvesters Based on Fluorinated Ethylene Propylene Piezotubes. Advanced Engineering Materials, 2020, 22, 1901399.	1.6	23
6	Recyclable Phosphor Films: Three Water-Soluble Binder Systems Enabling the Recovery of Phosphor Powders in White LEDs. Journal of Electronic Materials, 2019, 48, 2294-2300.	1.0	7
7	Recyclable phosphor sheet based on polyvinyl alcohol for LED lighting using remote phosphor technology. Materials Technology, 2019, 34, 178-183.	1.5	3
8	Doping mechanism in organic devices: Effects of oxygen molecules in poly(3-hexylthiophene) thin films. Organic Electronics, 2018, 57, 298-304.	1.4	15
9	Hybrid top-gate transistors based on ink-jet printed zinc tin oxide and different organic dielectrics. Applied Physics Letters, 2018, 112, 053503.	1.5	5
10	Analytical prediction of the piezoelectric d33 response of fluoropolymer arrays with tubular air channels. Scientific Reports, 2018, 8, 4597.	1.6	22
11	Tubular fluoropolymer arrays with high piezoelectric response. Smart Materials and Structures, 2018, 27, 015010.	1.8	26
12	Electrical and Structural Origin of Self-Healing Phenomena in Pentacene Thin Films. Advanced Materials, 2017, 29, 1604833.	11.1	4
13	Effect of degree of crystallographic texture on ferro- and piezoelectric properties of Ba <sub>0.85</sub> Ca <sub>0.15</sub> TiO <sub>3</sub> piezoceramics. Journal of the American Ceramic Society, 2017, 100, 2098-2107.	1.9	33
14	Polarization-switching dynamics in bulk ferroelectrics with isometric and oriented anisometric pores. Journal Physics D: Applied Physics, 2017, 50, 045303.	1.3	28
15	Influence of hydration and annealing on structure, PSL yield and spatial resolution of pressed powder imaging plates of the X-ray storage phosphor CsBr:Eu <sup>2+</sup> . Journal of Applied Physics, 2017, 122, .	1.1	4
16	Rodlike Tetracene Derivatives. Chemistry - A European Journal, 2017, 23, 13445-13454.	1.7	12
17	Photoactivation of an ionic p-type dopant used in a triarylamine based hole transporting material for enhancing conductivity of solution processed films. Synthetic Metals, 2017, 230, 105-112.	2.1	5
18	Multiple ink-jet printed zinc tin oxide layers with improved TFT performance. Applied Physics Letters, 2016, 109, .	1.5	20

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19	Fatigue effect on polarization switching dynamics in polycrystalline bulk ferroelectrics. <i>Journal of Applied Physics</i> , 2016, 120, .	1.1	14
20	Effect of texturing on polarization switching dynamics in ferroelectric ceramics. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	32
21	Triplet exciplex electroluminescence from two columnar liquid crystal perylene derivatives. <i>Journal of Luminescence</i> , 2016, 180, 31-37.	1.5	14
22	Inverse $V$ Injection Characteristics of ZnO Nanoparticle-Based Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 20168-20175.	4.0	5
23	Polarisation dependence of Schottky barrier heights at ferroelectric BaTiO <sub>3</sub> /RuO <sub>2</sub> interfaces: influence of substrate orientation and quality. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 295304.	1.3	23
24	Structural Polymorphism and Thin Film Transistor Behavior in the Fullerene Framework Molecule 5,6,11,12-tetra-phenylenetetracene. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6041-6046.	7.2	17
25	Blue-Greenish Electroluminescent Poly( <i>p</i> -phenylenevinylene) Developed for Organic Light-Emitting Diode Applications. <i>Macromolecules</i> , 2016, 49, 1674-1680.	2.2	16
26	Polarization dynamics variation across the temperature- and composition-driven phase transitions in the lead-free Ba(Zr <sub>0.2</sub> Ti <sub>0.8</sub> )O <sub>3-x</sub> (Ba <sub>0.7</sub> Ca <sub>0.3</sub> )TiO <sub>3</sub> ferroelectrics. <i>Journal of Applied Physics</i> , 2015, 118, .	1.1	30
27	Cross-linkable random copolymers as dielectrics for low-voltage organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2015, 3, 9217-9223.	2.7	7
28	Thermal Evaporation versus Spin-Coating: Electrical Performance in Columnar Liquid Crystal OLEDs. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 16374-16381.	4.0	68
29	Dynamics of energy level alignment at ITO/organic semiconductor interfaces. <i>Organic Electronics</i> , 2015, 26, 408-414.	1.4	5
30	Study of electrical fatigue by defect engineering in organic light-emitting diodes. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015, 192, 26-51.	1.7	24
31	$\text{Eu}^{2+}$ -doped CsBr photostimulable X-ray storage phosphors: analysis of defect structure by high-frequency EPR. <i>Functional Materials Letters</i> , 2014, 07, 1350073.	0.7	11
32	Statistical electric field and switching time distributions in PZT 1Nb2Sr ceramics: Crystal- and microstructure effects. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	32
33	The Challenge of Producing Fiber-Based Organic Electronic Devices. <i>Materials</i> , 2014, 7, 5254-5267.	1.3	9
34	The color change in polychromatic organic light-emitting field-effect transistors: Optical filtering versus reemission. <i>Organic Electronics</i> , 2014, 15, 2505-2512.	1.4	4
35	Influence of triplet excitons on the lifetime of polymer-based organic light emitting diodes. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 2035-2039.	0.8	5
36	Interrelation between Chemical, Electronic, and Charge Transport Properties of Solution-Processed Indium-Zinc Oxide Semiconductor Thin Films. <i>Journal of Physical Chemistry C</i> , 2014, 118, 12826-12836.	1.5	20

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37	An internal-variable-based interface model for the charging process of ferroelectrets. <i>European Journal of Mechanics, A/Solids</i> , 2014, 48, 97-111.	2.1	5
38	Three-terminal light-emitting device with adjustable emission color. <i>Organic Electronics</i> , 2014, 15, 1396-1400.	1.4	12
39	Self-consistent model of polarization switching kinetics in disordered ferroelectrics. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	16
40	A new method to invert top-gate organic field-effect transistors for Kelvin probe investigations. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 112, 431-436.	1.1	3
41	Polarization dynamics across the morphotropic phase boundary in $\text{Ba}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_{3-x}(\text{Ba}_{0.7}\text{Ca}_{0.3})\text{TiO}_3$ ferroelectrics. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	37
42	Continuum modeling of charging process and piezoelectricity of ferroelectrets. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	23
43	Order Induced Charge Carrier Mobility Enhancement in Columnar Liquid Crystal Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 11935-11943.	4.0	92
44	Transit Phenomena in Organic Field-Effect Transistors Through Kelvin-Probe Force Microscopy. <i>Advanced Materials</i> , 2013, 25, 4315-4319.	11.1	13
45	Molecular Origin of Charge Traps in Polyfluorene-Based Semiconductors. <i>Macromolecules</i> , 2013, 46, 7865-7873.	2.2	12
46	Influence of molecular dynamics on the dielectric properties of poly(9,9-di-n-octylfluorene-altbenzothiadiazole) -based devices. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2012, 19, 1181-1185.	1.8	3
47	Temporal and thermal properties of optically induced instabilities in P3HT field-effect transistors. <i>Synthetic Metals</i> , 2012, 161, 2558-2561.	2.1	18
48	The $\text{Li}_3\text{PO}_4/\text{Al}$ electrode: An alternative, efficient cathode for organic light-emitting diodes. <i>Synthetic Metals</i> , 2012, 161, 2575-2579.	2.1	3
49	Polarization switching dynamics by inhomogeneous field mechanism in ferroelectric polymers. <i>Journal Physics D: Applied Physics</i> , 2012, 45, 165301.	1.3	31
50	New Columnar Zn-Phthalocyanine Designed for Electronic Applications. <i>Journal of Physical Chemistry B</i> , 2012, 116, 13554-13560.	1.2	23
51	High Mobility Indium Zinc Oxide Thin Film Field-Effect Transistors by Semiconductor Layer Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 6835-6841.	4.0	42
52	Universal Polarization Switching Behavior of Disordered Ferroelectrics. <i>Advanced Functional Materials</i> , 2012, 22, 2058-2066.	7.8	82
53	Dispersive to non-dispersive transition in the drift mobility of F8BT based-thin-film devices. , 2011, , .		0
54	Optimization of the porous polytetrafluoroethylene sandwiches for piezoelectric applications. , 2011, , .		0

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55	Polarisation switching dynamics by Inhomogeneous Field Mechanism in ferroelectric polymers. , 2011, , .		0
56	Theoretical considerations towards an optimal $d_{33}$ -coefficient of sandwiched piezoelectrets. , 2011, , .		0
57	Molecular structure and dynamics of F8BT - correlation with opto-electronic properties. , 2011, , .		0
58	Temperature Dependence of the Drift Mobility of Poly(9,9-dioctylfluorene-co-benzothiadiazole)-Based Thin-Film Devices. Journal of Physical Chemistry C, 2011, 115, 25479-25483.	1.5	8
59	Photoluminescence and photostimulated luminescence of oxygen impurities in CsBr. Journal of Applied Physics, 2011, 109, 013507.	1.1	10
60	Optical and selected thermal properties of samarium-doped fluorochlorozirconate (FCZ) glass-ceramics: Formation and growth of BaCl <sub>2</sub> nanocrystals in FCZ glass-ceramics. Journal of Non-Crystalline Solids, 2011, 357, 2272-2277.	1.5	7
61	Samarium-Doped Fluorochlorozirconate Glass-Ceramics as Red-Emitting X-Ray Phosphors. Journal of the American Ceramic Society, 2011, 94, 543-550.	1.9	36
62	Trivalent Er and Sm ions in fluorochlorozirconate glasses: optical properties and X-ray luminescence. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 2657-2660.	0.8	0
63	Piezoelectrets from sandwiched porous polytetrafluoroethylene (ePTFE) films: influence of porosity and geometry on charging properties. Journal Physics D: Applied Physics, 2011, 44, 105501.	1.3	37
64	Self-consistent model of unipolar transport in organic semiconductor diodes: Accounting for a realistic density-of-states distribution. Journal of Applied Physics, 2011, 109, 073722.	1.1	6
65	New synthesis of high-quality storage phosphors. Radiation Measurements, 2010, 45, 478-484.	0.7	10
66	A Color-Tuneable Organic Light-Emitting Transistor. Advanced Materials, 2010, 22, 3568-3572.	11.1	40
67	Probing of contact formation via light emission from organic field-effect transistors. Thin Solid Films, 2010, 519, 1506-1510.	0.8	1
68	Enlightened organic transistors. Nature Materials, 2010, 9, 470-472.	13.3	24
69	Piezoelectrets from sandwiched porous polytetrafluoroethylene films with different porosity. , 2010, , .		0
70	Sandwiched porous polytetrafluoroethylene ferroelectrets: The piezoelectric $d_{33}$ coefficient. , 2010, , .		2
71	Effect of bipolar electric fatigue on polarization switching in lead-zirconate-titanate ceramics. Journal of Applied Physics, 2010, 108, .	1.1	33
72	Charge carrier injection into insulating media: Single-particle versus mean-field approach. Physical Review B, 2010, 81, .	1.1	15

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73	Dynamics of polarization reversal in virgin and fatigued ferroelectric ceramics by inhomogeneous field mechanism. <i>Physical Review B</i> , 2010, 82, .	1.1	90
74	Lanthanum-stabilized europium-doped cubic barium chloride: An efficient x-ray phosphor. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	10
75	Barrier heights, polarization switching, and electrical fatigue in Pb(Zr,Ti)O <sub>3</sub> ceramics with different electrodes. <i>Journal of Applied Physics</i> , 2010, 108, .	1.1	39
76	Tuning of organic magnetoresistance by reversible modification of the active material. <i>Synthetic Metals</i> , 2010, 160, 251-255.	2.1	7
77	Poling dynamics and thermal stability of FEP/ePTFE/FEP sandwiches. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2010, 17, 1056-1065.	1.8	28
78	Experimental and theoretical investigation on polarization reversal in unfatigued lead-zirconate-titanate ceramic. <i>Journal of Applied Physics</i> , 2010, 108, .	1.1	54
79	High-sensitivity piezoelectric-film accelerometers. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2010, 17, 1021-1027.	1.8	37
80	The impact of contact formation on the light emission from ambipolar transistors. <i>Applied Physics Letters</i> , 2009, 95, 113303.	1.5	15
81	Electroluminescence from a pentacene based ambipolar organic field-effect transistor. <i>Applied Physics Letters</i> , 2009, 94, .	1.5	33
82	The Li <sub>3</sub> PO <sub>4</sub> /Al bilayer: An efficient cathode for organic light emitting devices. <i>Journal of Applied Physics</i> , 2009, 105, 084513.	1.1	7
83	Hafnium oxide thin films: Effect of growth parameters on oxygen and hafnium vacancies. <i>Journal of Vacuum Science &amp; Technology B</i> , 2009, 27, 325.	1.3	14
84	Interface properties of a Li <sub>3</sub> PO <sub>4</sub> /Al cathode in organic light emitting diodes. <i>Journal of Applied Physics</i> , 2009, 105, 124517.	1.1	7
85	Investigation of Charge Carrier Injection in Ambipolar Organic Light Emitting Field Effect Transistors. <i>Advanced Materials</i> , 2009, 21, 1172-1176.	11.1	36
86	Sensitization and radiation hardening of the photostimulable X-ray storage phosphor CsBr:Eu <sup>2+</sup> . <i>Journal of Materials Science: Materials in Electronics</i> , 2009, 20, 54-58.	1.1	9
87	Optical properties of divalent samarium-doped fluorochlorozirconate glasses and glass ceramics. <i>Optical Materials</i> , 2009, 31, 1459-1466.	1.7	31
88	Pitfalls in Kelvin probe measurements. <i>Journal of Applied Physics</i> , 2009, 106, .	1.1	17
89	Sensitization of the photostimulable x-ray storage-phosphor CsBr:Eu <sup>2+</sup> following room-temperature hydration. <i>Journal of Applied Physics</i> , 2009, 105, 073511.	1.1	15
90	Synthesis and functionality of the storage phosphor BaFBr:Eu <sup>2+</sup> . <i>Journal of Applied Physics</i> , 2009, 105, 063505.	1.1	14

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91	Origin of magnetic field effect enhancement by electrical stress in organic light emitting diodes. Journal of Applied Physics, 2009, 105, .	1.1	28
92	Electron-hole pair mechanism for the magnetic field effect in organic light emitting diodes based on poly(paraphenylene vinylene). Journal of Applied Physics, 2009, 106, .	1.1	42
93	Residual Halide Groups in Gilch-Polymerized Poly( <i>p</i> -phenylene-vinylene) and Their Impact on Performance and Lifetime of Organic Light-Emitting Diodes. Chemistry of Materials, 2009, 21, 4288-4298.	3.2	21
94	Organic field-effect transistors: from unipolar to ambipolar to light emission. Proceedings of SPIE, 2009, , .	0.8	0
95	The organic light-emitting field-effect transistor. Frequenz, 2008, 62, .	0.6	4
96	Electron trapping in pentacene based p- and n-type organic field-effect transistors. Applied Physics Letters, 2008, 93, 133303.	1.5	29
97	Enhancement of organic magnetoresistance by electrical conditioning. Applied Physics Letters, 2008, 92, 193309.	1.5	61
98	The role of Ca traces in the passivation of silicon dioxide dielectrics for electron transport in pentacene organic field effect transistors. Journal of Applied Physics, 2008, 104, 054505.	1.1	12
99	Pyroelectricity in polyvinylidene fluoride: Influence of polarization and charge. Journal of Applied Physics, 2008, 103, .	1.1	15
100	Influence of a magnetic field on the device performance of OLEDs. Proceedings of SPIE, 2008, , .	0.8	5
101	Bipolar charge-carrier injection in semiconductor/insulator/conductor heterostructures: Self-consistent consideration. Journal of Applied Physics, 2008, 104, .	1.1	10
102	Non-equilibrium transport of charge carriers in disordered organic materials. Journal of Physics Condensed Matter, 2007, 19, 136210.	0.7	57
103	Importance of screening charge dynamics on polarization switching in polyvinylidene fluoride. Applied Physics Letters, 2007, 91, 062914.	1.5	2
104	Breakdown-induced light emission and poling dynamics of porous fluoropolymers. Journal of Applied Physics, 2007, 101, 084106.	1.1	33
105	Dielectric interface modification by UV irradiation: a novel method to control OFET charge carrier transport properties. , 2007, , .		2
106	Nonequilibrium transport of charge carriers and transient electroluminescence in organic light-emitting diodes. Journal of Applied Physics, 2007, 102, 103708.	1.1	21
107	Influence of Li-codoping on the radiation hardness of CsBr:Eu <sup>2+</sup> . Journal of Applied Physics, 2007, 101, 113711.	1.1	11
108	Polarization hysteresis and piezoelectricity in open-porous fluoropolymer sandwiches. Journal of Applied Physics, 2007, 102, .	1.1	50

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109	Self-consistent analytical solution of a problem of charge-carrier injection at a conductor/insulator interface. <i>Physical Review B</i> , 2007, 75, .	1.1	54
110	Trap-controlled hole transport in small molecule organic semiconductors. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	22
111	The role of segregations and oxygen doping in the photostimulation mechanism of. <i>Radiation Measurements</i> , 2007, 42, 638-643.	0.7	18
112	Structures of CsEuBr <sub>3</sub> and its degradation product Cs <sub>2</sub> EuBr <sub>5</sub> ·10H <sub>2</sub> O. <i>Acta Crystallographica Section B: Structural Science</i> , 2007, 63, 201-204.	1.8	6
113	CsEuBr <sub>3</sub> : Crystal structure and its role in the photostimulation of CsBr:Eu <sup>2+</sup> . <i>Journal of Applied Physics</i> , 2006, 100, 083506.	1.1	37
114	Effect of ion concentration of ionomer in electron injection layer of polymer light-emitting devices. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 1686-1690.	1.5	2
115	Organic CMOS technology by interface treatment. , 2006, 6336, 123.		6
116	Deposition Temperature Effect on the Structure and Optical Property of RF-PACVD-Derived Hydrogenated SiCNO Film. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2006, 37, 173-177.	0.5	6
117	The Einstein relation in systems with trap-controlled transport. <i>Journal of Applied Physics</i> , 2006, 99, 013704.	1.1	27
118	Breakdown-induced polarization buildup in porous fluoropolymer sandwiches: a thermally stable piezoelectret. <i>Journal of Applied Physics</i> , 2006, 99, 024102.	1.1	96
119	Complementary organic field effect transistors by ultraviolet dielectric interface modification. <i>Applied Physics Letters</i> , 2006, 89, 182105.	1.5	39
120	Self-consistent theory of unipolar charge-carrier injection in metal-insulator-metal systems. <i>Journal of Applied Physics</i> , 2006, 100, 084511.	1.1	30
121	Combined Raman spectroscopic and electrical characterization of the conductive channel in pentacene based OFETs. , 2005, , .		1
122	Intrinsic luminescence in yttrium trifluoride. <i>Journal of Luminescence</i> , 2005, 113, 143-150.	1.5	28
123	Radiation hardness of CsBr:Eu <sup>2+</sup> . <i>Journal of Luminescence</i> , 2005, 114, 24-30.	1.5	28
124	Novel materials and concepts for neutron image plates. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005, 551, 46-51.	0.7	8
125	Spectroscopic ellipsometry on opaline photonic crystals. <i>Optics Communications</i> , 2005, 246, 1-7.	1.0	16
126	Polymer light emitting devices with Langmuir-Blodgett (LB) films: Enhanced performance due to an electron-injecting layer of ionomers. <i>Chemical Physics Letters</i> , 2005, 408, 31-36.	1.2	24



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127	Air-breakdown charging mechanism of fibrous polytetrafluoroethylene films. Journal of Applied Physics, 2005, 98, 014108.	1.1	36
128	Electrochemical Interface Doping in Organic Light Emitting Field Effect Transistors. Advanced Engineering Materials, 2005, 7, 957-960.	1.6	12
129	Optimization of a neutron image plate detector with low $\hat{I}^3$ -sensitivity. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 539, 236-249.	0.7	13
130	Exciton emission and defect formation in yttrium trifluoride. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 371-374.	0.8	3
131	Charge-carrier trapping in polyfluorene-type conjugated polymers. Journal of Applied Physics, 2005, 98, 024101.	1.1	50
132	Unipolar space-charge limited current through layers with a disparate concentration of shallow traps: Experiment and model. Journal of Applied Physics, 2005, 97, 043701.	1.1	8
133	Trap concentration dependence of percolation in doped small molecule organic materials. Journal of Applied Physics, 2005, 98, 043511.	1.1	2
134	Effect of dispersive transport and partial trap filling on thermally stimulated current in conjugated polymers. Journal of Applied Physics, 2005, 98, 103702.	1.1	8
135	Sunlight stability of organic light-emitting diodes. Journal of Applied Physics, 2005, 97, 124501.	1.1	27
136	Complementary inverter based on interface doped pentacene. Applied Physics Letters, 2005, 87, 113505.	1.5	51
137	Trap concentration dependence of thermally stimulated currents in small molecule organic materials. Physical Review B, 2005, 72, .	1.1	12
138	Preparation and optimization of ceramic neutron image plates based on BaFBr $\cdot$ Eu <sup>2+</sup> and GdF <sub>3</sub> . Journal Physics D: Applied Physics, 2005, 38, 3501-3506.	1.3	2
139	Role of diffusion on SCLC transport in double injection devices. Synthetic Metals, 2005, 150, 291-296.	2.1	24
140	A pentacene ambipolar transistor: Experiment and theory. Journal of Applied Physics, 2005, 98, 084511.	1.1	118
141	n-type organic field-effect transistor based on interface-doped pentacene. Applied Physics Letters, 2004, 85, 4499.	1.5	93
142	Back-switching of ferroelectric polarization in two-component systems. Journal of Applied Physics, 2004, 96, 2173-2180.	1.1	24
143	Effect of thermal annealing on switching dynamics of fatigued bulk lead zirconate titanate. Applied Physics Letters, 2004, 85, 3211-3213.	1.5	23
144	Pentacene field-effect transistors with sub-10-nm channel lengths. Applied Physics Letters, 2004, 85, 1772-1774.	1.5	117

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145	Stretched exponential relaxation in perovskite ferroelectrics after cyclic loading. Journal of Applied Physics, 2004, 95, 1386-1390.	1.1	54
146	Non-stoichiometric BaFBr:Eu <sup>2+</sup> : a study on phase compositions and their relationship to F-centre formation. Journal Physics D: Applied Physics, 2004, 37, 836-841.	1.3	8
147	Novel type of neutron image plates based on KCl:Eu <sup>2+</sup> :LiF. Physica B: Condensed Matter, 2004, 350, E861-E864.	1.3	0
148	Electronic traps in organic transport layers. Physica Status Solidi A, 2004, 201, 1215-1235.	1.7	131
149	Position-sensitive detector system OBI for High Resolution X-Ray Powder Diffraction using on-site readable image plates. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 521, 565-570.	0.7	142
150	Preparation-induced F-centre transformation in BaFBr:Eu <sup>2+</sup> . Journal Physics D: Applied Physics, 2004, 37, 2352-2357.	1.3	14
151	Influence of intensive light exposure on polymer field-effect transistors. Applied Physics Letters, 2004, 85, 1377-1379.	1.5	41
152	Cross-Linked Liquid-Crystalline Materials – A Possible Strategy to Ordered Organic Semiconductors. Chemistry of Materials, 2004, 16, 4286-4291.	3.2	22
153	Pixelated neutron image plates. Journal Physics D: Applied Physics, 2004, 37, 2607-2612.	1.3	6
154	Conductivity induced polarization in a semicrystalline ferroelectric polymer. IEEE Transactions on Dielectrics and Electrical Insulation, 2004, 11, 232-241.	1.8	17
155	New concepts for light-emitting transistors. , 2004, , .		1
156	Light emission from a polymer transistor. Applied Physics Letters, 2004, 84, 428-430.	1.5	106
157	Highly efficient energy transfer to a novel organic dye in OLED devices. Synthetic Metals, 2004, 146, 11-15.	2.1	112
158	Thermally stimulated luminescence versus thermally stimulated current in organic semiconductors. Journal of Non-Crystalline Solids, 2004, 338-340, 626-629.	1.5	10
159	Light-Emitting Field-Effect Transistor Based on a Tetracene Thin Film. Physical Review Letters, 2003, 91, 157406.	2.9	523
160	Space-charge limited current in regioregular poly-3-hexyl-thiophene. Journal of Applied Physics, 2003, 94, 2480-2485.	1.1	71
161	Effects of process parameters on trap distributions in organic semiconductors. Synthetic Metals, 2003, 138, 201-207.	2.1	18
162	Light-emitting field-effect transistor: simple model and underlying functional mechanisms. , 2003, 5217, 101.		12

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163	Charge injection versus space-charge-limited current in organic light-emitting diodes. Applied Physics Letters, 2003, 83, 5074-5076.	1.5	57
164	Photo-stimulated luminescence of calcium co-doped BaFBr : Eu <sup>2+</sup> -x-ray storage phosphors. Journal Physics D: Applied Physics, 2003, 36, 103-108.	1.3	9
165	Switching dynamics in poly(vinylidene fluoride) and copolymers. Applied Physics Letters, 2003, 83, 3353-3355.	1.5	6
166	The influence of mechanical rubbing on the field-effect mobility in polyhexylthiophene. Journal of Applied Physics, 2003, 93, 1636-1641.	1.1	84
167	Thermal detection of trapped charge carriers in organic transport materials. , 2003, 4800, 164.		5
168	Conductivity-induced polarization buildup in poly(vinylidene fluoride). Applied Physics Letters, 2002, 81, 2830-2832.	1.5	34
169	Electronic traps and percolation paths in electroluminescent polymers. Journal of Applied Physics, 2002, 92, 7564-7570.	1.1	23
170	The quasi-binary phase diagram BaF <sub>2</sub> -BaBr <sub>2</sub> and its relation to the x-ray storage phosphor BaFBr : Eu <sup>2+</sup> . Journal Physics D: Applied Physics, 2002, 35, 1914-1918.	1.3	14
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