

# Heinz von Seggern

## List of Publications by Year in descending order

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184  
papers

5,675  
citations

94269

37  
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102304

66  
g-index

186  
all docs

186  
docs citations

186  
times ranked

5503  
citing authors

#	ARTICLE	IF	CITATIONS
1	Light-Emitting Field-Effect Transistor Based on a Tetracene Thin Film. <i>Physical Review Letters</i> , 2003, 91, 157406.	2.9	523
2	Luminescence properties of nanocrystalline $Y_2O_3:Eu^{3+}$ in different host materials. <i>Journal of Applied Physics</i> , 2001, 89, 1679.	1.1	252
3	Mechanisms of injection enhancement in organic light-emitting diodes through an Al/LiF electrode. <i>Journal of Applied Physics</i> , 2001, 89, 420-424.	1.1	190
4	Position-sensitive detector system OBI for High Resolution X-Ray Powder Diffraction using on-site readable image plates. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 521, 565-570.	0.7	142
5	Confinement of CdSe Nanoparticles Inside MCM-41. <i>Advanced Materials</i> , 2000, 12, 1050-1055.	11.1	134
6	Electronic traps in organic transport layers. <i>Physica Status Solidi A</i> , 2004, 201, 1215-1235.	1.7	131
7	A pentacene ambipolar transistor: Experiment and theory. <i>Journal of Applied Physics</i> , 2005, 98, 084511.	1.1	118
8	Pentacene field-effect transistors with sub-10-nm channel lengths. <i>Applied Physics Letters</i> , 2004, 85, 1772-1774.	1.5	117
9	Highly efficient energy transfer to a novel organic dye in OLED devices. <i>Synthetic Metals</i> , 2004, 146, 11-15.	2.1	112
10	Light emission from a polymer transistor. <i>Applied Physics Letters</i> , 2004, 84, 428-430.	1.5	106
11	Breakdown-induced polarization buildup in porous fluoropolymer sandwiches: a thermally stable piezoelectret. <i>Journal of Applied Physics</i> , 2006, 99, 024102.	1.1	96
12	n-type organic field-effect transistor based on interface-doped pentacene. <i>Applied Physics Letters</i> , 2004, 85, 4499.	1.5	93
13	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
14	Dynamics of polarization reversal in virgin and fatigued ferroelectric ceramics by inhomogeneous field mechanism. <i>Physical Review B</i> , 2010, 82, .	1.1	90
15	The influence of mechanical rubbing on the field-effect mobility in polyhexylthiophene. <i>Journal of Applied Physics</i> , 2003, 93, 1636-1641.	1.1	84
16	Universal Polarization Switching Behavior of Disordered Ferroelectrics. <i>Advanced Functional Materials</i> , 2012, 22, 2058-2066.	7.8	82
17	Energetic trap distributions in organic semiconductors. <i>Synthetic Metals</i> , 2002, 129, 1-7.	2.1	77
18	Trap engineering in organic hole transport materials. <i>Journal of Applied Physics</i> , 2001, 89, 5559-5563.	1.1	74

#	ARTICLE	IF	CITATIONS
19	Space-charge limited current in regioregular poly-3-hexyl-thiophene. Journal of Applied Physics, 2003, 94, 2480-2485.	1.1	71
20	Thermal Evaporation versus Spin-Coating: Electrical Performance in Columnar Liquid Crystal OLEDs. ACS Applied Materials & Interfaces, 2015, 7, 16374-16381.	4.0	68
21	Enhancement of organic magnetoresistance by electrical conditioning. Applied Physics Letters, 2008, 92, 193309.	1.5	61
22	Charge injection versus space-charge-limited current in organic light-emitting diodes. Applied Physics Letters, 2003, 83, 5074-5076.	1.5	57
23	Non-equilibrium transport of charge carriers in disordered organic materials. Journal of Physics Condensed Matter, 2007, 19, 136210.	0.7	57
24	Stretched exponential relaxation in perovskite ferroelectrics after cyclic loading. Journal of Applied Physics, 2004, 95, 1386-1390.	1.1	54
25	Self-consistent analytical solution of a problem of charge-carrier injection at a conductor/insulator interface. Physical Review B, 2007, 75, .	1.1	54
26	Experimental and theoretical investigation on polarization reversal in unfatigued lead-zirconate-titanate ceramic. Journal of Applied Physics, 2010, 108, .	1.1	54
27	Complementary inverter based on interface doped pentacene. Applied Physics Letters, 2005, 87, 113505.	1.5	51
28	Charge-carrier trapping in polyfluorene-type conjugated polymers. Journal of Applied Physics, 2005, 98, 024101.	1.1	50
29	Polarization hysteresis and piezoelectricity in open-porous fluoropolymer sandwiches. Journal of Applied Physics, 2007, 102, .	1.1	50
30	Photoluminescence properties of nanocrystalline Y <sub>2</sub> O <sub>3</sub> :Eu <sup>3+</sup> in different environments. Scripta Materialia, 2001, 44, 1213-1217.	2.6	49
31	Tris(dibenzoylmethane)(monophenanthroline)europium(III) based red emitting organic light emitting diodes. Journal of Applied Physics, 2001, 90, 5357-5362.	1.1	48
32	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
33	High Mobility Indium Zinc Oxide Thin Film Field-Effect Transistors by Semiconductor Layer Engineering. ACS Applied Materials & Interfaces, 2012, 4, 6835-6841.	4.0	42
34	Influence of intensive light exposure on polymer field-effect transistors. Applied Physics Letters, 2004, 85, 1377-1379.	1.5	41
35	A Color-tuneable Organic Light-emitting Transistor. Advanced Materials, 2010, 22, 3568-3572.	11.1	40
36	Complementary organic field effect transistors by ultraviolet dielectric interface modification. Applied Physics Letters, 2006, 89, 182105.	1.5	39

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37	Barrier heights, polarization switching, and electrical fatigue in Pb(Zr,Ti)O <sub>3</sub> ceramics with different electrodes. Journal of Applied Physics, 2010, 108, .	1.1	39
38	Determination of trap energies in Alq <sub>3</sub> and TPD. Synthetic Metals, 2000, 111-112, 277-280.	2.1	37
39	CsEuBr <sub>3</sub> : Crystal structure and its role in the photostimulation of CsBr:Eu <sup>2+</sup> . Journal of Applied Physics, 2006, 100, 083506.	1.1	37
40	High-sensitivity piezoelectret-film accelerometers. IEEE Transactions on Dielectrics and Electrical Insulation, 2010, 17, 1021-1027.	1.8	37
41	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
42	Polarization dynamics across the morphotropic phase boundary in 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. Applied Physics Letters, 2013, 103, .	1.5	37
43	Air-breakdown charging mechanism of fibrous polytetrafluoroethylene films. Journal of Applied Physics, 2005, 98, 014108.	1.1	36
44	Investigation of Charge Carrier Injection in Ambipolar Organic Light Emitting Field Effect Transistors. Advanced Materials, 2009, 21, 1172-1176.	11.1	36
45	Samarium Doped Fluorochlorozirconate Glass Ceramics as Red Emitting X-Ray Phosphors. Journal of the American Ceramic Society, 2011, 94, 543-550.	1.9	36
46	Conductivity-induced polarization buildup in poly(vinylidene fluoride). Applied Physics Letters, 2002, 81, 2830-2832.	1.5	34
47	Breakdown-induced light emission and poling dynamics of porous fluoropolymers. Journal of Applied Physics, 2007, 101, 084106.	1.1	33
48	Electroluminescence from a pentacene based ambipolar organic field-effect transistor. Applied Physics Letters, 2009, 94, .	1.5	33
49	Effect of bipolar electric fatigue on polarization switching in lead-zirconate-titanate ceramics. Journal of Applied Physics, 2010, 108, .	1.1	33
50	Effect of degree of crystallographic texture on ferroelectric 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
51	Statistical electric field and switching time distributions in PZT 1Nb <sub>2</sub> Sr ceramics: Crystal- and microstructure effects. Journal of Applied Physics, 2014, 115, .	1.1	32
52	Effect of texturing on polarization switching dynamics in ferroelectric ceramics. Applied Physics Letters, 2016, 108, .	1.5	32
53	Biodegradable cellular polylactic acid ferroelectrets with strong longitudinal and transverse piezoelectricity. Applied Physics Letters, 2020, 117, .	1.5	32
54	Optical properties of divalent samarium-doped fluorochlorozirconate glasses and glass ceramics. Optical Materials, 2009, 31, 1459-1466.	1.7	31

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55	Polarization switching dynamics by inhomogeneous field mechanism in ferroelectric polymers. Journal Physics D: Applied Physics, 2012, 45, 165301.	1.3	31
56	Self-consistent theory of unipolar charge-carrier injection in metal-insulator-metal systems. Journal of Applied Physics, 2006, 100, 084511.	1.1	30
57	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. Journal of Applied Physics, 2015, 118, .	1.1	30
58	Electron trapping in pentacene based p- and n-type organic field-effect transistors. Applied Physics Letters, 2008, 93, 133303.	1.5	29
59	Intrinsic luminescence in yttrium trifluoride. Journal of Luminescence, 2005, 113, 143-150.	1.5	28
60	Radiation hardness of CsBr:Eu <sup>2+</sup> . Journal of Luminescence, 2005, 114, 24-30.	1.5	28
61	Origin of magnetic field effect enhancement by electrical stress in organic light emitting diodes. Journal of Applied Physics, 2009, 105, .	1.1	28
62	Poling dynamics and thermal stability of FEP/ePTFE/FEP sandwiches. IEEE Transactions on Dielectrics and Electrical Insulation, 2010, 17, 1056-1065.	1.8	28
63	Polarization-switching dynamics in bulk ferroelectrics with isometric and oriented anisometric pores. Journal Physics D: Applied Physics, 2017, 50, 045303.	1.3	28
64	A novel displacement component in PVDF and its role in ferroelectric switching. IEEE Transactions on Dielectrics and Electrical Insulation, 2000, 7, 543-550.	1.8	27
65	Sunlight stability of organic light-emitting diodes. Journal of Applied Physics, 2005, 97, 124501.	1.1	27
66	The Einstein relation in systems with trap-controlled transport. Journal of Applied Physics, 2006, 99, 013704.	1.1	27
67	Distribution of occupied states in doped organic hole transport materials. Synthetic Metals, 2002, 126, 87-95.	2.1	26
68	Tubular fluoropolymer arrays with high piezoelectric response. Smart Materials and Structures, 2018, 27, 015010.	1.8	26
69	Aging induced traps in organic semiconductors. Synthetic Metals, 2001, 122, 49-52.	2.1	25
70	Back-switching of ferroelectric polarization in two-component systems. Journal of Applied Physics, 2004, 96, 2173-2180.	1.1	24
71	Polymer light emitting devices with Langmuir-Blodgett (LB) films: Enhanced performance due to an electron-injecting layer of ionomers. Chemical Physics Letters, 2005, 408, 31-36.	1.2	24
72	Role of diffusion on SCLC transport in double injection devices. Synthetic Metals, 2005, 150, 291-296.	2.1	24

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73	Enlightened organic transistors. <i>Nature Materials</i> , 2010, 9, 470-472.	13.3	24
74	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
75	Electronic traps and percolation paths in electroluminescent polymers. <i>Journal of Applied Physics</i> , 2002, 92, 7564-7570.	1.1	23
76	Effect of thermal annealing on switching dynamics of fatigued bulk lead zirconate titanate. <i>Applied Physics Letters</i> , 2004, 85, 3211-3213.	1.5	23
77	New Columnar Zn-Phthalocyanine Designed for Electronic Applications. <i>Journal of Physical Chemistry B</i> , 2012, 116, 13554-13560.	1.2	23
78	Continuum modeling of charging process and piezoelectricity of ferroelectrets. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	23
79	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
80	Cantilever-based ferroelectret energy harvesting. <i>Applied Physics Letters</i> , 2020, 116, 243901.	1.5	23
81	Microenergy Harvesters Based on Fluorinated Ethylene Propylene Piezotubes. <i>Advanced Engineering Materials</i> , 2020, 22, 1901399.	1.6	23
82	Cross-Linked Liquid-Crystalline Materials – A Possible Strategy to Ordered Organic Semiconductors. <i>Chemistry of Materials</i> , 2004, 16, 4286-4291.	3.2	22
83	Trap-controlled hole transport in small molecule organic semiconductors. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	22
84	Analytical prediction of the piezoelectric d <sub>33</sub> response of fluoropolymer arrays with tubular air channels. <i>Scientific Reports</i> , 2018, 8, 4597.	1.6	22
85	Nonequilibrium transport of charge carriers and transient electroluminescence in organic light-emitting diodes. <i>Journal of Applied Physics</i> , 2007, 102, 103708.	1.1	21
86	Residual Halide Groups in Gilch-Polymerized Poly( <i>p</i> -phenylene-vinylene) and Their Impact on Performance and Lifetime of Organic Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2009, 21, 4288-4298.	3.2	21
87	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
88	Multiple ink-jet printed zinc tin oxide layers with improved TFT performance. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	20
89	Effects of process parameters on trap distributions in organic semiconductors. <i>Synthetic Metals</i> , 2003, 138, 201-207.	2.1	18
90	The role of segregations and oxygen doping in the photostimulation mechanism of. <i>Radiation Measurements</i> , 2007, 42, 638-643.	0.7	18

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91	Temporal and thermal properties of optically induced instabilities in P3HT field-effect transistors. <i>Synthetic Metals</i> , 2012, 161, 2558-2561.	2.1	18
92	Conductivity induced polarization in a semicrystalline ferroelectric polymer. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2004, 11, 232-241.	1.8	17
93	Pitfalls in Kelvin probe measurements. <i>Journal of Applied Physics</i> , 2009, 106, .	1.1	17
94	Structural Polymorphism and Thin Film Transistor Behavior in the Fullerene Framework Molecule 5,6;11,12- <i>Phenylene</i> tetracene. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6041-6046.	7.2	17
95	Spectroscopic ellipsometry on opaline photonic crystals. <i>Optics Communications</i> , 2005, 246, 1-7.	1.0	16
96	Self-consistent model of polarization switching kinetics in disordered ferroelectrics. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	16
97	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
98	Pyroelectricity in polyvinylidene fluoride: Influence of polarization and charge. <i>Journal of Applied Physics</i> , 2008, 103, .	1.1	15
99	The impact of contact formation on the light emission from ambipolar transistors. <i>Applied Physics Letters</i> , 2009, 95, 113303.	1.5	15
100	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
101	Charge carrier injection into insulating media: Single-particle versus mean-field approach. <i>Physical Review B</i> , 2010, 81, .	1.1	15
102	Doping mechanism in organic devices: Effects of oxygen molecules in poly(3-hexylthiophene) thin films. <i>Organic Electronics</i> , 2018, 57, 298-304.	1.4	15
103	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> . <i>Journal Physics D: Applied Physics</i> , 2002, 35, 1914-1918.	1.3	14
104	Preparation-induced F-centre transformation in BaFBr:Eu <sup>2+</sup> . <i>Journal Physics D: Applied Physics</i> , 2004, 37, 2352-2357.	1.3	14
105	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
106	Synthesis and functionality of the storage phosphor BaFBr:Eu <sup>2+</sup> . <i>Journal of Applied Physics</i> , 2009, 105, 063505.	1.1	14
107	Fatigue effect on polarization switching dynamics in polycrystalline bulk ferroelectrics. <i>Journal of Applied Physics</i> , 2016, 120, .	1.1	14
108	Triplet exciplex electroluminescence from two columnar liquid crystal perylene derivatives. <i>Journal of Luminescence</i> , 2016, 180, 31-37.	1.5	14

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109	Optimization of a neutron image plate detector with low $\hat{\Gamma}^3$ -sensitivity. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 539, 236-249.	0.7	13
110	Transit Phenomena in Organic Field-Effect Transistors Through Kelvin-Probe Force Microscopy. Advanced Materials, 2013, 25, 4315-4319.	11.1	13
111	Ferroelectret energy harvesting with 3D-printed air-spaced cantilever design. Nano Select, 2022, 3, 713-722.	1.9	13
112	Light-emitting field-effect transistor: simple model and underlying functional mechanisms. , 2003, 5217, 101.		12
113	Electrochemical Interface Doping in Organic Light Emitting Field Effect Transistors. Advanced Engineering Materials, 2005, 7, 957-960.	1.6	12
114	Trap concentration dependence of thermally stimulated currents in small molecule organic materials. Physical Review B, 2005, 72, .	1.1	12
115	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
116	Molecular Origin of Charge Traps in Polyfluorene-Based Semiconductors. Macromolecules, 2013, 46, 7865-7873.	2.2	12
117	Three-terminal light-emitting device with adjustable emission color. Organic Electronics, 2014, 15, 1396-1400.	1.4	12
118	Rodlike Tetracene Derivatives. Chemistry - A European Journal, 2017, 23, 13445-13454.	1.7	12
119	Influence of Li-codoping on the radiation hardness of CsBr:Eu <sup>2+</sup> . Journal of Applied Physics, 2007, 101, 113711.	1.1	11
120	Eu <sup>2+</sup> -doped CsBr photostimulable X-ray storage phosphors – analysis of defect structure by high-frequency EPR. Functional Materials Letters, 2014, 07, 1350073.	0.7	11
121	Thermally stimulated luminescence versus thermally stimulated current in organic semiconductors. Journal of Non-Crystalline Solids, 2004, 338-340, 626-629.	1.5	10
122	Bipolar charge-carrier injection in semiconductor/insulator/conductor heterostructures: Self-consistent consideration. Journal of Applied Physics, 2008, 104, .	1.1	10
123	New synthesis of high-quality storage phosphors. Radiation Measurements, 2010, 45, 478-484.	0.7	10
124	Lanthanum-stabilized europium-doped cubic barium chloride: An efficient x-ray phosphor. Journal of Applied Physics, 2010, 107, .	1.1	10
125	Photoluminescence and photostimulated luminescence of oxygen impurities in CsBr. Journal of Applied Physics, 2011, 109, 013507.	1.1	10
126	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



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127	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
128	The Challenge of Producing Fiber-Based Organic Electronic Devices. <i>Materials</i> , 2014, 7, 5254-5267.	1.3	9
129	Non-stoichiometric BaFBr:Eu <sup>2+</sup> : a study on phase compositions and their relationship to F-centre formation. <i>Journal Physics D: Applied Physics</i> , 2004, 37, 836-841.	1.3	8
130	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
131	Unipolar space-charge limited current through layers with a disparate concentration of shallow traps: Experiment and model. <i>Journal of Applied Physics</i> , 2005, 97, 043701.	1.1	8
132	Effect of dispersive transport and partial trap filling on thermally stimulated current in conjugated polymers. <i>Journal of Applied Physics</i> , 2005, 98, 103702.	1.1	8
133	Temperature Dependence of the Drift Mobility of Poly(9,9-dioctylfluorene-co-benzothiadiazole)-Based Thin-Film Devices. <i>Journal of Physical Chemistry C</i> , 2011, 115, 25479-25483.	1.5	8
134	Comparative analysis of isothermal decay of the surface potential of fluoroethylenepropylene electrets and of the sensitivity of electret microphones at elevated temperature. <i>AIP Advances</i> , 2020, 10, .	0.6	8
135	Development of neutron image plate for low-flux measurements. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s118-s120.	1.1	7
136	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
137	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
138	Tuning of organic magnetoresistance by reversible modification of the active material. <i>Synthetic Metals</i> , 2010, 160, 251-255.	2.1	7
139	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. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 2272-2277.	1.5	7
140	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
141	Recyclable Phosphor Films: Three Water-Soluble Binder Systems Enabling the Recovery of Phosphor Powders in White LEDs. <i>Journal of Electronic Materials</i> , 2019, 48, 2294-2300.	1.0	7
142	Materials for neutron-image plates with low $\gamma$ -sensitivity. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s109-s111.	1.1	6
143	Switching dynamics in poly(vinylidene fluoride) and copolymers. <i>Applied Physics Letters</i> , 2003, 83, 3353-3355.	1.5	6
144	Pixelated neutron image plates. <i>Journal Physics D: Applied Physics</i> , 2004, 37, 2607-2612.	1.3	6

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145	Organic CMOS technology by interface treatment. , 2006, 6336, 123.		6
146	Deposition Temperature Effect on the Structure and Optical Property of RF-PACVD-Derived Hydrogenated SiCNO Film. Materialwissenschaft Und Werkstofftechnik, 2006, 37, 173-177.	0.5	6
147	Structures of CsEuBr <sub>3</sub> and its degradation product Cs <sub>2</sub> EuBr <sub>5</sub> ·10H <sub>2</sub> O. Acta Crystallographica Section B: Structural Science, 2007, 63, 201-204.	1.8	6
148	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
149	Thermal detection of trapped charge carriers in organic transport materials. , 2003, 4800, 164.		5
150	Influence of a magnetic field on the device performance of OLEDs. Proceedings of SPIE, 2008, , .	0.8	5
151	Influence of triplet excitons on the lifetime of polymer-based organic light emitting diodes. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 2035-2039.	0.8	5
152	An internal-variable-based interface model for the charging process of ferroelectrets. European Journal of Mechanics, A/Solids, 2014, 48, 97-111.	2.1	5
153	Dynamics of energy level alignment at ITO/organic semiconductor interfaces. Organic Electronics, 2015, 26, 408-414.	1.4	5
154	Inverse $\langle i \rangle / \langle i \rangle \hat{=}$ $\langle i \rangle V \langle i \rangle$ Injection Characteristics of ZnO Nanoparticle-Based Diodes. ACS Applied Materials & Interfaces, 2016, 8, 20168-20175.	4.0	5
155	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
156	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
157	The organic light-emitting field-effect transistor. Frequenz, 2008, 62, .	0.6	4
158	The color change in polychromatic organic light-emitting field-effect transistors: Optical filtering versus reemission. Organic Electronics, 2014, 15, 2505-2512.	1.4	4
159	Electrical and Structural Origin of Self-Healing Phenomena in Pentacene Thin Films. Advanced Materials, 2017, 29, 1604833.	11.1	4
160	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
161	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
162	Influence of molecular dynamics on the dielectric properties of poly(9,9-di-n-octylfluorene-altbenzothiadiazole)-based devices. IEEE Transactions on Dielectrics and Electrical Insulation, 2012, 19, 1181-1185.	1.8	3

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163	The Li <sub>3</sub> PO <sub>4</sub> /Al electrode: An alternative, efficient cathode for organic light-emitting diodes. <i>Synthetic Metals</i> , 2012, 161, 2575-2579.	2.1	3
164	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
165	Recyclable phosphor sheet based on polyvinyl alcohol for LED lighting using remote phosphor technology. <i>Materials Technology</i> , 2019, 34, 178-183.	1.5	3
166	Trap concentration dependence of percolation in doped small molecule organic materials. <i>Journal of Applied Physics</i> , 2005, 98, 043511.	1.1	2
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