Clemens Simbrunner

List of Publications by Year
in descending order

72	1,108	394421 19	454955 30
papers	citations	h-index	g-index

73	73	73	1502
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	ParamagneticGaN:Feand ferromagnetic(Ga,Fe)N: The relationship between structural, electronic, and magnetic properties. Physical Review B, 2007, 75, .	3.2	109
2	Epitaxy of Rodlike Organic Molecules on Sheet Silicatesâ€"A Growth Model Based on Experiments and Simulations. Journal of the American Chemical Society, 2011, 133, 3056-3062.	13.7	61
3	Epitaxial growth of sexi-thiophene and para-hexaphenyl and its implications for the fabrication of self-assembled lasing nano-fibres. Semiconductor Science and Technology, 2013, 28, 053001.	2.0	58
4	Strain induced anisotropic effect on electron mobility in C60 based organic field effect transistors. Applied Physics Letters, 2012, 101, 083305.	3.3	44
5	Organicâ"Organic Heteroepitaxy of Red-, Green-, and Blue-Emitting Nanofibers. ACS Nano, 2010, 4, 6244-6250.	14.6	42
6	Meyerâ€"Neldel rule for charge carrier transport in fullerene devices: A comparative study. Organic Electronics, 2011, 12, 161-168.	2.6	42
7	Dependence of Meyerâ€"Neldel energy on energetic disorder in organic field effect transistors. Applied Physics Letters, 2010, 96, 213306.	3.3	41
8	Epitaxial growth of sexithiophene on mica surfaces. Physical Review B, 2011, 83, .	3.2	35
9	Color Tuning of Nanofibers by Periodic Organicâ€"Organic Hetero-Epitaxy. ACS Nano, 2012, 6, 4629-4638.	14.6	35
10	Multiple scattering in grazing-incidence X-rayÂdiffraction: impact on lattice-constant determinationÂin thin films. Journal of Synchrotron Radiation, 2016, 23, 729-734.	2.4	31
11	UV-induced modulation of the conductivity of polyaniline: towards a photo-patternable charge injection layer for structured organic light emitting diodes. Journal of Materials Chemistry, 2012, 22, 2922-2928.	6.7	29
12	Magnetic properties of a new spintronic materialâ€"GaN:Fe. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 126, 222-225.	3.5	28
13	Organic surface-grown nanowires for functional devices. Reports on Progress in Physics, 2013, 76, 126502.	20.1	27
14	Photosensitivity of top gate C60 based OFETs: Potential applications for high efficiency organic photodetector. Organic Electronics, 2014, 15, 175-181.	2.6	25
15	Extending the Lasing Wavelength Coverage of Organic Semiconductor Nanofibers by Periodic Organicâ€"Organic Heteroepitaxy. Advanced Optical Materials, 2013, 1, 117-122.	7.3	23
16	GaN:-Mg grown by MOVPE: Structural properties and their effect on the electronic and optical behavior. Journal of Crystal Growth, 2008, 310, 13-21.	1.5	22
17	Morphological and Structural Investigation of Sexithiophene Growth on KCl (100). Crystal Growth and Design, 2013, 13, 536-542.	3.0	21
18	Epitaxial Metal Halide Perovskites by Inkjetâ€Printing on Various Substrates. Advanced Functional Materials, 2020, 30, 2004612.	14.9	21

#	Article	IF	Citations
19	Doping of GaN with Fe and Mg for spintronics applications. Physica Status Solidi (B): Basic Research, 2006, 243, 1701-1705.	1.5	19
20	Para-sexiphenyl-CdSe/ZnS nanocrystal hybrid light emitting diodes. Applied Physics Letters, 2009, 94, .	3.3	19
21	Effect of source-drain electric field on the Meyerâ€“Neldel energy in organic field effect transistors. Applied Physics Letters, 2011, 98, 223301.	3.3	19
22	Indexing of grazing-incidence X-ray diffraction patterns: the case of fibre-textured thin films. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, 373-387.	0.1	19
23	On the effect of periodic Mg distribution in GaN:Î´-Mg. Applied Physics Letters, 2007, 90, 142108.	3.3	18
24	Alternately deposited heterostructures of Î±-sexithiopheneâ€“para-hexaphenyl on muscovite mica(001) surfaces: crystallographic structure and morphology. Journal of Materials Chemistry, 2012, 22, 15316.	6.7	15
25	Air stability of C60 based n-type OFETs. Synthetic Metals, 2014, 188, 136-139.	3.9	15
26	Surface-Induced Phase of Tyrian Purple (6,6â€²-Dibromoindigo): Thin Film Formation and Stability. Crystal Growth and Design, 2016, 16, 3647-3655.	3.0	15
27	Investigation of NiO x -based contacts on p-GaN. Journal of Materials Science: Materials in Electronics, 2008, 19, 855-862.	2.2	14
28	Modification of para-sexiphenyl layer growth by UV induced polarity changes of polymeric substrates. Organic Electronics, 2009, 10, 326-332.	2.6	14
29	Structural Evolution of Sputtered Indium Oxide Thin Films. Journal of Electrical Engineering, 2010, 61, 382-385.	0.7	14
30	Grain Size and Interface Dependence of Bias Stress Stability of n-Type Organic Field Effect Transistors. ACS Applied Materials & Interfaces, 2015, 7, 22380-22384.	8.0	14
31	Phase-dependent distribution of Fe-rich nanocrystals in MOVPE-grown (Ga,Fe)N. Journal of Crystal Growth, 2008, 310, 3294-3298.	1.5	13
32	Reproducibility and stability of C60 based organic field effect transistor. Synthetic Metals, 2012, 161, 2562-2565.	3.9	13
33	Geometrical Structure and Interface Dependence of Bias Stress Induced Threshold Voltage Shift in C60-Based OFETs. ACS Applied Materials & Interfaces, 2014, 6, 15148-15153.	8.0	13
34	The Epitaxial Growth of Self-Assembled Ternaphthalene Fibers on Muscovite Mica. Crystal Growth and Design, 2014, 14, 442-449.	3.0	12
35	Efficient Exciton Diffusion and Resonance-Energy Transfer in Multilayered Organic Epitaxial Nanofibers. Journal of Physical Chemistry C, 2015, 119, 15689-15697.	3.1	12
36	Ameliorating the bias stress stability of n-type OFETs. Organic Electronics, 2014, 15, 3203-3210.	2.6	11

#	Article	IF	Citations
37	In-situ and real-time monitoring of MOCVD growth of III-nitrides by simultaneous multi-wavelength-ellipsometry and X-ray-diffraction. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 1704-1707.	1.8	10
38	Growth and optical properties of Î±-sexithiopene doped para-sexiphenyl nanofibers. Applied Physics Letters, 2009, 95, 013306.	3.3	10
39	Comparative study of bulk and interface transport in disordered fullerene films. Physica Status Solidi (B): Basic Research, 2011, 248, 2656-2659.	1.5	10
40	Complex Behavior of Caffeine Crystallites on Muscovite Mica Surfaces. Crystal Growth and Design, 2015, 15, 4563-4570.	3.0	10
41	Photo-Fries-based photosensitive polymeric interlayers for patterned organic devices. Applied Physics A: Materials Science and Processing, 2012, 107, 985-993.	2.3	9
42	Organic van der Waals Epitaxy versus Templated Growth by Organicâ€“Organic Heteroepitaxy. , 2015, , 483-508.		9
43	Electric field and grain size dependence of Meyerâ€“Neldel energy in C60 films. Synthetic Metals, 2011, 161, 1987-1990.	3.9	8
44	Interface Properties of Organic para-Hexaphenyl/Î±-Sexithiophene Heterostructures Deposited on Highly Oriented Pyrolytic Graphite. Langmuir, 2013, 29, 14444-14450.	3.5	8
45	Crystal structure determination of organic thin-films: the example of 2,2â€² :6â€²,2â€³-ternaphthalene. Zeitschrift Fur Kristallographie - Crystalline Materials, 2014, 229, .	0.8	8
46	Heteroepitaxy of Organic Nanofibers: Example of Ternaphthalene on p-Hexaphenyl. Crystal Growth and Design, 2014, 14, 5719-5728.	3.0	7
47	In situ X-ray diffraction during MOCVD of III-nitrides: An optimized wobbling compensating evaluation algorithm. Journal of Crystal Growth, 2007, 298, 243-245.	1.5	6
48	The role of metal contacts in the stability of n-type organic field effect transistors. Applied Physics A: Materials Science and Processing, 2014, 117, 2235-2240.	2.3	6
49	In situ growth observation of GaN/AlGaN superlattice structures by simultaneous X-ray diffraction and ellipsometry. Journal of Crystal Growth, 2007, 308, 258-262.	1.5	5
50	Periodic Mg distribution in GaN:Î´-Mg and the effect of annealing on structural and optical properties. Applied Surface Science, 2008, 255, 731-733.	6.1	5
51	Non-doped, blue-emitting, color-stable, organic light-emitting diode based on 2,2â€²:6â€²,2â€³-ternaphthalene. Applied Physics A: Materials Science and Processing, 2014, 115, 731-735.	2.3	5
52	Crystal alignment of caffeine deposited onto single crystal surfaces via hot-wall epitaxy. CrystEngComm, 2017, 19, 2936-2945.	2.6	4
53	Fourier analysis applied on in situ laser reflectometry during III-nitride metal organic chemical vapor deposition growth. Journal of Applied Physics, 2007, 101, 093501.	2.5	3
54	In situ Xâ€ray diffraction during MOCVD of IIIâ€nitrides. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 2798-2803.	1.8	3

#	Article	IF	Citations
55	Fe onto GaN(0001) grown in a full MOVPE process. Journal of Crystal Growth, 2008, 310, 1772-1776.	1.5	3
56	Anisotropic Strain Effect on Electron Transport in C60 Organic Field Effect transistors. Materials Research Society Symposia Proceedings, 2013, 1501, 1.	0.1	3
57	Photoluminescence and Hall studies of GaN:Fe and (Ga,Fe)N:Mg layers. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 86-91.	1.8	2
58	In situ monitoring of periodic structures during MOVPE of III-nitrides. Journal of Crystal Growth, 2008, 310, 1607-1613.	1.5	2
59	Quantitative luminous efficiency determination for large-area light-emitting devices. Applied Physics A: Materials Science and Processing, 2010, 98, 337-344.	2.3	2
60	Effect of Film Morphology on Charge Transport in C₆₀-based Organic Field Effect Transistors. Materials Research Society Symposia Proceedings, 2010, 1270, 1.	0.1	2
61	Stability of low voltage n-type organic field effect transistors. Synthetic Metals, 2014, 197, 18-22.	3.9	2
62	Morphological and structural investigation of Î±-sexithiophene grown on KCl (100). , 2013, , .		1
63	White fluorescent nano-fibers prepared by periodic organic hetero-epitaxy. Proceedings of SPIE, 2013, , .	0.8	1
64	Para-sexiphenyl-CdSe Nanocrystals Hybrid Light Emitting Diodes with Optimized Layer Thickness and Interfaces. Materials Research Society Symposia Proceedings, 2009, 1154, 1.	0.1	0
65	Organic Nanofibers: Extending the Lasing Wavelength Coverage of Organic Semiconductor Nanofibers by Periodic Organicâ€“Organic Heteroepitaxy (Advanced Optical Materials 2/2013). Advanced Optical Materials, 2013, 1, 116-116.	7.3	0
66	Organicâ€“Organic Heteroepitaxyâ€”The Method of Choice to Tune Optical Emission of Organic Nano-fibers?. Springer Series in Materials Science, 2013, , 49-78.	0.6	0
67	Impact of morphology on charge carrier mobility in top gate C<inf>60</inf> organic field effect transistors. , 2014, , .		0
68	Motionless system to measure relative angular emission intensity of decaying or modulated light emitting diodes. Review of Scientific Instruments, 2014, 85, 103103.	1.3	0
69	Multiband Laser Action from Organic-Organic Heteroepitaxial Nanofibers. Materials Research Society Symposia Proceedings, 2014, 1632, 1.	0.1	0
70	X-ray diffractometer forin-situandreal-timemonitoring of MOCVD. Acta Crystallographica Section A: Foundations and Advances, 2005, 61, c62-c62.	0.3	0
71	Para-Sexiphenyl Layers Grown On Light Sensitive Polymer Substrates. Springer Proceedings in Physics, 2009, , 23-27.	0.2	0
72	Microstructure of (Ga,Fe)N Films Grown by Metal-Organic Chemical Vapour Deposition. Springer Proceedings in Physics, 2008, , 77-80.	0.2	0