

# Martin Oehzelt

## List of Publications by Year in descending order

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69  
papers

4,947  
citations

117625

34  
h-index

98798

67  
g-index

70  
all docs

70  
docs citations

70  
times ranked

6290  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic properties and degradation upon VUV irradiation of sodium chloride on Ag(111) studied by photoelectron spectroscopy. <i>Electronic Structure</i> , 2021, 3, 034008.	2.8	3
2	Electrostatic Interactions Shape Molecular Organization and Electronic Structure of Organic Semiconductor Blends. <i>Chemistry of Materials</i> , 2020, 32, 1261-1271.	6.7	24
3	Effective Work Function Reduction of Practical Electrodes Using an Organometallic Dimer. <i>Advanced Functional Materials</i> , 2016, 26, 2493-2502.	14.9	28
4	Organic heterojunctions: Contact-induced molecular reorientation, interface states and charge re-distribution. <i>Scientific Reports</i> , 2016, 6, 21291.	3.3	35
5	Molecular Electrical Doping of Organic Semiconductors: Fundamental Mechanisms and Emerging Dopant Design Rules. <i>Accounts of Chemical Research</i> , 2016, 49, 370-378.	15.6	549
6	The Impact of Disorder on the Energy Level Alignment at Molecular Donor-Acceptor Interfaces. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500232.	3.7	31
7	Probing the energy levels in hole-doped molecular semiconductors. <i>Materials Horizons</i> , 2015, 2, 427-433.	12.2	75
8	Energy-level alignment at organic heterointerfaces. <i>Science Advances</i> , 2015, 1, e1501127.	10.3	103
9	Charge-transfer crystallites as molecular electrical dopants. <i>Nature Communications</i> , 2015, 6, 8560.	12.8	317
10	Tuning the Electronic Structure of Graphene by Molecular Dopants: Impact of the Substrate. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 19134-19144.	8.0	34
11	Interaction of Isophorone with Pd(111): A Combination of Infrared Reflection-Absorption Spectroscopy, Near-Edge X-ray Absorption Fine Structure, and Density Functional Theory Studies. <i>Journal of Physical Chemistry C</i> , 2014, 118, 27833-27842.	3.1	14
12	Band-Bending in Organic Semiconductors: the Role of Alkali-Halide Interlayers. <i>Advanced Materials</i> , 2014, 26, 925-930.	21.0	85
13	Performance enhancement of diindenoperylene-based organic photovoltaic cells by nanocolumn-arrays. <i>Organic Electronics</i> , 2014, 15, 2210-2217.	2.6	9
14	Organic semiconductor density of states controls the energy level alignment at electrode interfaces. <i>Nature Communications</i> , 2014, 5, 4174.	12.8	322
15	A disordered layered phase in thin films of sexithiophene. <i>Chemical Physics Letters</i> , 2013, 574, 51-55.	2.6	36
16	Moderate doping leads to high performance of semiconductor/insulator polymer blend transistors. <i>Nature Communications</i> , 2013, 4, 1588.	12.8	240
17	Surface Induced Order of Solution Processed Caffeine Needles on Silica and Muscovite Mica. <i>Crystal Growth and Design</i> , 2013, 13, 1322-1328.	3.0	10
18	Origin of mechanical strain sensitivity of pentacene thin-film transistors. <i>Organic Electronics</i> , 2013, 14, 1323-1329.	2.6	32

#	ARTICLE	IF	CITATIONS
19	Organic "Organic Heteroepitaxy" The Method of Choice to Tune Optical Emission of Organic Nano-fibers?. Springer Series in Materials Science, 2013, , 49-78.	0.6	0
20	The Impact of Local Work Function Variations on Fermi Level Pinning of Organic Semiconductors. Journal of Physical Chemistry C, 2013, 117, 22285-22289.	3.1	39
21	Doping of Organic Semiconductors: Impact of Dopant Strength and Electronic Coupling. Angewandte Chemie - International Edition, 2013, 52, 7751-7755.	13.8	186
22	Kinetic Isotope Effect in the Hydrogenation and Deuteration of Graphene. Advanced Functional Materials, 2013, 23, 1628-1635.	14.9	38
23	Interface Properties of Organic <i>para</i> -Hexaphenyl/ $\pm$ -Sexithiophene Heterostructures Deposited on Highly Oriented Pyrolytic Graphite. Langmuir, 2013, 29, 14444-14450.	3.5	8
24	Intermolecular Hybridization Governs Molecular Electrical Doping. Physical Review Letters, 2012, 108, 035502.	7.8	178
25	Crystallisation kinetics in thin films of dihexyl-terthiophene: the appearance of polymorphic phases. RSC Advances, 2012, 2, 4404.	3.6	64
26	Color Tuning of Nanofibers by Periodic Organic "Organic Hetero-Epitaxy. ACS Nano, 2012, 6, 4629-4638.	14.6	35
27	Epitaxial Growth of $\pi$ -Stacked Perfluoropentacene on Graphene-Coated Quartz. ACS Nano, 2012, 6, 10874-10883.	14.6	108
28	Two dimensional band structure mapping of organic single crystals using the new generation electron energy analyzer ARTOF. Journal of Electron Spectroscopy and Related Phenomena, 2012, 185, 55-60.	1.7	49
29	Grazing-incidence in-plane X-ray diffraction on ultra-thin organic films using standard laboratory equipment. Journal of Applied Crystallography, 2012, 45, 367-370.	4.5	18
30	Crystal growth of <i>para</i> -sexiphenyl on clean and oxygen reconstructed Cu(110) surfaces. Physical Chemistry Chemical Physics, 2011, 13, 14675.	2.8	35
31	Epitaxy of Rodlike Organic Molecules on Sheet Silicates "A Growth Model Based on Experiments and Simulations. Journal of the American Chemical Society, 2011, 133, 3056-3062.	13.7	61
32	Structure Solution of the 6,13-Pentacenequinone Surface-Induced Polymorph by Combining X-ray Diffraction Reciprocal-Space Mapping and Theoretical Structure Modeling. Crystal Growth and Design, 2011, 11, 600-606.	3.0	44
33	Nitrogen-Doped Graphene: Efficient Growth, Structure, and Electronic Properties. Nano Letters, 2011, 11, 5401-5407.	9.1	685
34	Interrelation between Substrate Roughness and Thin-Film Structure of Functionalized Acenes on Graphite. Crystal Growth and Design, 2011, 11, 4996-5001.	3.0	28
35	Epitaxial growth of sexithiophene on mica surfaces. Physical Review B, 2011, 83, .	3.2	35
36	Evolution of epitaxial order in <i>para</i> -sexiphenyl on KCl(100). Journal of Crystal Growth, 2010, 312, 333-339.	1.5	15

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37	Influence of intramolecular polar bonds on interface energetics in perfluoro-pentacene on Ag(111). <i>Physical Review B</i> , 2010, 81, .	3.2	65
38	Phase-separation and mixing in thin films of co-deposited rod-like conjugated molecules. <i>Journal of Materials Chemistry</i> , 2010, 20, 4055.	6.7	31
39	Organic/Organic Heteroepitaxy of Red-, Green-, and Blue-Emitting Nanofibers. <i>ACS Nano</i> , 2010, 4, 6244-6250.	14.6	42
40	Controlling energy level offsets in organic/organic heterostructures using intramolecular polar bonds. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	57
41	The morphology of organic nanocolumn arrays: Amorphous versus crystalline solids. <i>Journal of Materials Research</i> , 2009, 24, 1492-1497.	2.6	6
42	Structural and electronic implications for carrier injection into organic semiconductors. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 97, 1-9.	2.3	12
43	Sexithiophene on Cu(110) and Cu(110)-(2 $\times$ 1)O: An STM and NEXAFS study. <i>Surface Science</i> , 2009, 603, 412-418.	1.9	32
44	Ag induced restructuring of the oxygen precovered Cu(110) surface. <i>Surface Science</i> , 2009, 603, 3410-3413.	1.9	6
45	Growth of sexithiophene crystals on Cu(110) and Cu(110)-(2 $\times$ 1)O stripe phase—The influence of surface corrugation. <i>Journal of Crystal Growth</i> , 2009, 311, 1364-1369.	1.5	17
46	Sexithiophene Films Grown On Cu(110)-(2 $\times$ 1)O: From Monolayer To Multilayers. <i>Springer Proceedings in Physics</i> , 2009, , 19-21.	0.2	1
47	Epitaxial order of pentacene on Cu(110)-(2 $\times$ 1)O: One dimensional alignment induced by surface corrugation. <i>Thin Solid Films</i> , 2008, 517, 483-487.	1.8	32
48	Full X-ray pattern analysis of vacuum deposited pentacene thin films. <i>European Physical Journal B</i> , 2008, 66, 455-459.	1.5	32
49	Structural Order in Perfluoropentacene Thin Films and Heterostructures with Pentacene. <i>Langmuir</i> , 2008, 24, 7294-7298.	3.5	85
50	Tuning the Ionization Energy of Organic Semiconductor Films: The Role of Intramolecular Polar Bonds. <i>Journal of the American Chemical Society</i> , 2008, 130, 12870-12871.	13.7	152
51	Intra- and Intermolecular Band Dispersion in an Organic Crystal. <i>Science</i> , 2007, 317, 351-355.	12.6	174
52	The Molecular Orientation of para-Sexiphenyl on Cu(110) and Cu(110) p(2 $\times$ 1)O. <i>ChemPhysChem</i> , 2007, 8, 1707-1712.	2.1	76
53	The electronic band alignment on nanoscopically patterned substrates. <i>Organic Electronics</i> , 2007, 8, 63-68.	2.6	38
54	Heteroepitaxy of Organic/Organic Nanostructures. <i>Nano Letters</i> , 2006, 6, 1207-1212.	9.1	82

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55	The epitaxial sexiphenyl (001) monolayer on TiO <sub>2</sub> (110): A grazing incidence X-ray diffraction study. <i>Surface Science</i> , 2006, 600, 4645-4649.	1.9	26
56	Organic Heteroepitaxy:p-Sexiphenyl on Uniaxially Oriented $\hat{\pm}$ -Sexithiophene. <i>Advanced Materials</i> , 2006, 18, 2466-2470.	21.0	57
57	Single Crystalline Nature of para-Sexiphenyl Crystallites Grown on KCl(100). <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 698-703.	0.9	28
58	Phase transition and electronic properties of fluorene: A joint experimental and theoretical high-pressure study. <i>Physical Review B</i> , 2006, 73, .	3.2	26
59	Structure and morphology of quaterphenyl thin films on Au(111)â€™The influence of surface contamination by carbon. <i>Journal of Crystal Growth</i> , 2005, 283, 397-403.	1.5	16
60	Para-sexiphenyl thin films on KCl(100) surfaces: Growth morphologies and their individual epitaxial order. <i>Journal of Crystal Growth</i> , 2005, 284, 209-220.	1.5	39
61	Self Assembly of Anisotropic Organic Molecules: Diffusion versus Sticking Anisotropy. <i>Materials Research Society Symposia Proceedings</i> , 2005, 901, 1.	0.1	0
62	On the phase-transition in anthracene induced by high pressure. <i>Solid State Communications</i> , 2004, 129, 103-106.	1.9	27
63	Electronic, optical, and structural properties of oligophenylene molecular crystals under high pressure: Anab initioinvestigation. <i>Physical Review B</i> , 2003, 67, .	3.2	37
64	X-ray diffraction study of anthracene under high pressure. <i>Synthetic Metals</i> , 2003, 137, 913-914.	3.9	2
65	Calculated Optical Absorption of Anthracene under High Pressure. <i>Synthetic Metals</i> , 2003, 137, 935-936.	3.9	8
66	High pressure x-ray study on anthracene. <i>Journal of Chemical Physics</i> , 2003, 119, 1078-1084.	3.0	52
67	Chain-length-dependent intermolecular packing in polyphenylenes: a high pressure study. <i>Journal of Physics Condensed Matter</i> , 2003, 15, 3375-3389.	1.8	41
68	The Crystal Sructure of Anthracene up to 22 GPa: a X-ray Diffraction Study. <i>Materials Research Society Symposia Proceedings</i> , 2003, 771, 7111.	0.1	0
69	High-pressure structural properties of anthracene up to 10 GPa. <i>Physical Review B</i> , 2002, 66, .	3.2	49