Norbert Koch

List of Publications by Year
in descending order

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		6613	11052
412	23,658	79	137
papers	citations	h-index	g-index

429	429	429	20312
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electronic structure and electrical properties of interfaces between metals and ?-conjugated molecular films. Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 2529-2548.	2.1	771
2	Organic Electronic Devices and Their Functional Interfaces. ChemPhysChem, 2007, 8, 1438-1455.	2.1	724
3	The impact of energy alignment and interfacial recombination on the internal and external open-circuit voltage of perovskite solar cells. Energy and Environmental Science, 2019, 12, 2778-2788.	30.8	570
4	Orientation-dependent ionization energies and interface dipoles in ordered molecular assemblies. Nature Materials, 2008, 7, 326-332.	27.5	564
5	Molecular Electrical Doping of Organic Semiconductors: Fundamental Mechanisms and Emerging Dopant Design Rules. Accounts of Chemical Research, 2016, 49, 370-378.	15.6	549
6	Monolithic perovskite/silicon-heterojunction tandem solar cells processed at low temperature. Energy and Environmental Science, 2016, 9, 81-88.	30.8	536
7	Conjugated organic molecules on metal versus polymer electrodes: Demonstration of a key energy level alignment mechanism. Applied Physics Letters, 2003, 82, 70-72.	3.3	481
8	Large guanidinium cation mixed with methylammonium in lead iodide perovskites for 19% efficient solar cells. Nature Energy, 2017, 2, 972-979.	39.5	445
9	Fluorinated Copolymer PCPDTBT with Enhanced Open-Circuit Voltage and Reduced Recombination for Highly Efficient Polymer Solar Cells. Journal of the American Chemical Society, 2012, 134, 14932-14944.	13.7	361
10	Surface Termination Dependent Work Function and Electronic Properties of Ti₃C₂T_x MXene. Chemistry of Materials, 2019, 31, 6590-6597.	6.7	359
11	Organic semiconductor density of states controls the energy level alignment at electrode interfaces. Nature Communications, 2014, 5, 4174.	12.8	322
12	Charge-transfer crystallites as molecular electrical dopants. Nature Communications, 2015, 6, 8560.	12.8	317
13	Influence of Aggregation on the Performance of Allâ€Polymer Solar Cells Containing Lowâ€Bandgap Naphthalenediimide Copolymers. Advanced Energy Materials, 2012, 2, 369-380.	19.5	316
14	Bonding Self-Assembled, Compact Organophosphonate Monolayers to the Native Oxide Surface of Silicon. Journal of the American Chemical Society, 2003, 125, 16074-16080.	13.7	310
15	Self-Assembly and Bonding of Alkanephosphonic Acids on the Native Oxide Surface of Titanium. Langmuir, 2001, 17, 5736-5738.	3.5	266
16	Optimized Hole Injection with Strong Electron Acceptors at Organic-Metal Interfaces. Physical Review Letters, 2005, 95, 237601.	7.8	248
17	Moderate doping leads to high performance of semiconductor/insulator polymer blend transistors. Nature Communications, 2013, 4, 1588.	12.8	240
18	PTCDA on Au(111), Ag(111) and Cu(111): Correlation of interface charge transfer to bonding distance. Organic Electronics, 2008, 9, 111-118.	2.6	220

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19	Optically switchable transistor via energy-level phototuning in a bicomponent organic semiconductor. Nature Chemistry, 2012, 4, 675-679.	13.6	217
20	Reduced Interfaceâ€Mediated Recombination for High Openâ€Circuit Voltages in CH₃NH₃PbI₃ Solar Cells. Advanced Materials, 2017, 29, 1700159.	21.0	210
21	Controlling Electron and Hole Charge Injection in Ambipolar Organic Fieldâ€Effect Transistors by Selfâ€Assembled Monolayers. Advanced Functional Materials, 2009, 19, 2407-2415.	14.9	209
22	Impact of Bidirectional Charge Transfer and Molecular Distortions on the Electronic Structure of a Metal-Organic Interface. Physical Review Letters, 2007, 99, 256801.	7.8	206
23	Pentacene ultrathin film formation on reduced and oxidized Si surfaces. Physical Review B, 2003, 67, .	3.2	204
24	Evidence for Temperature-Dependent Electron Band Dispersion in Pentacene. Physical Review Letters, 2006, 96, 156803.	7.8	197
25	Design of Organic Semiconductors from Molecular Electrostaticsâ€. Chemistry of Materials, 2011, 23, 359-377.	6.7	193
26	Band Bending in Conjugated Polymer Layers. Physical Review Letters, 2011, 106, 216402.	7.8	188
27	Charged and metallic molecular monolayers through surface-induced aromatic stabilization. Nature Chemistry, 2013, 5, 187-194.	13.6	187
28	Influence of Charge Transport Layers on Open-Circuit Voltage and Hysteresis in Perovskite Solar Cells. Joule, 2018, 2, 788-798.	24.0	187
29	Doping of Organic Semiconductors: Impact of Dopant Strength and Electronic Coupling. Angewandte Chemie - International Edition, 2013, 52, 7751-7755.	13.8	186
30	Advanced Surface Modification of Indium Tin Oxide for Improved Charge Injection in Organic Devices. Journal of the American Chemical Society, 2005, 127, 10058-10062.	13.7	179
31	Intermolecular Hybridization Governs Molecular Electrical Doping. Physical Review Letters, 2012, 108, 035502.	7.8	178
32	High Fill Factor and Open Circuit Voltage in Organic Photovoltaic Cells with Diindenoperylene as Donor Material. Advanced Functional Materials, 2010, 20, 4295-4303.	14.9	175
33	Dynamic Scaling, Island Size Distribution, and Morphology in the Aggregation Regime of Submonolayer Pentacene Films. Physical Review Letters, 2003, 91, 136102.	7.8	172
34	Doping Approaches for Organic Semiconductors. Chemical Reviews, 2022, 122, 4420-4492.	47.7	153
35	Localized Charge Transfer in a Molecularly Doped Conducting Polymer. Advanced Materials, 2007, 19, 3257-3260.	21.0	152
36	Adsorption-Induced Intramolecular Dipole: Correlating Molecular Conformation and Interface Electronic Structure. Journal of the American Chemical Society, 2008, 130, 7300-7304.	13.7	152

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37	Tuning the Ionization Energy of Organic Semiconductor Films: The Role of Intramolecular Polar Bonds. Journal of the American Chemical Society, 2008, 130, 12870-12871.	13.7	152
38	Potassium Postdeposition Treatment-Induced Band Gap Widening at Cu(In,Ga)Se₂ Surfaces â€“ Reason for Performance Leap?. ACS Applied Materials & Interfaces, 2015, 7, 27414-27420.	8.0	147
39	Energy levels at interfaces between metals and conjugated organic molecules. Journal of Physics Condensed Matter, 2008, 20, 184008.	1.8	145
40	Towards understanding the doping mechanism of organic semiconductors by Lewis acids. Nature Materials, 2019, 18, 1327-1334.	27.5	144
41	Direct determination of monolayer MoS₂and WSe₂exciton binding energies on insulating and metallic substrates. 2D Materials, 2018, 5, 025003.	4.4	142
42	The Effect of Fluorination on Pentacene/Gold Interface Energetics and Charge Reorganization Energy. Advanced Materials, 2007, 19, 112-116.	21.0	139
43	Beating the thermodynamic limit with photo-activation of n-doping in organic semiconductors. Nature Materials, 2017, 16, 1209-1215.	27.5	139
44	Impact of White Light Illumination on the Electronic and Chemical Structures of Mixed Halide and Single Crystal Perovskites. Advanced Optical Materials, 2017, 5, 1700139.	7.3	136
45	Chemical Vapor Deposition of N-Doped Graphene and Carbon Films: The Role of Precursors and Gas Phase. ACS Nano, 2014, 8, 3337-3346.	14.6	133
46	Unraveling the Lightâ€Induced Degradation Mechanisms of CH₃NH₃PbI₃ Perovskite Films. Advanced Electronic Materials, 2017, 3, 1700158.	5.1	130
47	Ordersâ€ofâ€Magnitude Reduction of the Contact Resistance in Shortâ€Channel Hot Embossed Organic Thin Film Transistors by Oxidative Treatment of Auâ€Electrodes. Advanced Functional Materials, 2007, 17, 2687-2692.	14.9	117
48	Interplay between morphology, structure, and electronic properties at diindenoperylene-gold interfaces. Physical Review B, 2003, 68, .	3.2	116
49	Work Function Independent Hole-Injection Barriers Between Pentacene and Conducting Polymers. Advanced Materials, 2005, 17, 330-335.	21.0	116
50	F4TCNQ on Cu, Ag, and Au as prototypical example for a strong organic acceptor on coinage metals. Physical Review B, 2009, 79, .	3.2	116
51	Influence of water on the work function of conducting poly(3,4-ethylenedioxythiophene)/poly(styrenesulfonate). Applied Physics Letters, 2007, 90, 043512.	3.3	115
52	Perfluorinated Self-Assembled Monolayers Enhance the Stability and Efficiency of Inverted Perovskite Solar Cells. ACS Nano, 2020, 14, 1445-1456.	14.6	115
53	Halide Segregation versus Interfacial Recombination in Bromide-Rich Wide-Gap Perovskite Solar Cells. ACS Energy Letters, 2020, 5, 2728-2736.	17.4	114
54	Core, Shell, and Surface-Optimized Dendrimers for Blue Light-Emitting Diodes. Journal of the American Chemical Society, 2011, 133, 1301-1303.	13.7	111

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55	Energy level alignment and morphology of interfaces between molecular and polymeric organic semiconductors. Organic Electronics, 2007, 8, 606-614.	2.6	110
56	Controlling the work function of ZnO and the energy-level alignment at the interface to organic semiconductors with a molecular electron acceptor. Physical Review B, 2013, 87, .	3.2	109
57	Epitaxial Growth of Ï€-Stacked Perfluoropentacene on Graphene-Coated Quartz. ACS Nano, 2012, 6, 10874-10883.	14.6	108
58	Transparent, highly conductive graphene electrodes from acetylene-assisted thermolysis of graphite oxide sheets and nanographene molecules. Nanotechnology, 2009, 20, 434007.	2.6	103
59	Energy-level alignment at organic heterointerfaces. Science Advances, 2015, 1, e1501127.	10.3	103
60	Growth of Nb-Doped Monolayer WS₂ by Liquid-Phase Precursor Mixing. ACS Nano, 2019, 13, 10768-10775.	14.6	102
61	UVâˆ•ozone treated Au for air-stable, low hole injection barrier electrodes in organic electronics. Journal of Applied Physics, 2006, 100, 053701.	2.5	99
62	Substrate-dependent bonding distances of PTCDA: A comparative x-ray standing-wave study on Cu(111) and Ag(111). Physical Review B, 2007, 75, .	3.2	99
63	Efficient light emission from inorganic and organic semiconductor hybrid structures by energy-level tuning. Nature Communications, 2015, 6, 6754.	12.8	99
64	The effect of oxygen exposure on pentacene electronic structure. European Physical Journal E, 2005, 17, 339-343.	1.6	98
65	Tin-assisted heteroepitaxial PLD-growth of Îº-Ga2O3 thin films with high crystalline quality. APL Materials, 2019, 7, .	5.1	98
66	Structural and electronic properties of pentacene-fullerene heterojunctions. Journal of Applied Physics, 2008, 104, .	2.5	97
67	Organic molecular films on gold versus conducting polymer: Influence of injection barrier height and morphology on currentâ€“voltage characteristics. Applied Physics Letters, 2003, 82, 2281-2283.	3.3	96
68	Understanding Performance Limiting Interfacial Recombination in pin Perovskite Solar Cells. Advanced Energy Materials, 2022, 12, .	19.5	95
69	Electrode-molecular semiconductor contacts: Work-function-dependent hole injection barriers versus Fermi-level pinning. Applied Physics Letters, 2006, 89, 162107.	3.3	94
70	Harnessing the Liquidâ€Phase Exfoliation of Graphene Using Aliphatic Compounds: A Supramolecular Approach. Angewandte Chemie - International Edition, 2014, 53, 10355-10361.	13.8	92
71	Charge-Transfer Localization in Molecularly Doped Thiophene-Based Donor Polymers. Journal of Physical Chemistry Letters, 2010, 1, 2037-2041.	4.6	91
72	Surface State Density Determines the Energy Level Alignment at Hybrid Perovskite/Electron Acceptors Interfaces. ACS Applied Materials & Interfaces, 2017, 9, 41546-41552.	8.0	89

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73	Interface Engineering of Solution-Processed Hybrid Organohalide Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 21681-21687.	8.0	89
74	Correlation between interface energetics and open circuit voltage in organic photovoltaic cells. Applied Physics Letters, 2012, 101, 233301.	3.3	88
75	Identification of different origins for s-shaped current voltage characteristics in planar heterojunction organic solar cells. Journal of Applied Physics, 2012, 111, .	2.5	86
76	Structural Order in Perfluoropentacene Thin Films and Heterostructures with Pentacene. Langmuir, 2008, 24, 7294-7298.	3.5	85
77	Bandâ€Bending in Organic Semiconductors: the Role of Alkaliâ€Halide Interlayers. Advanced Materials, 2014, 26, 925-930.	21.0	85
78	Dislocation arrangements in pentacene thin films. Physical Review B, 2004, 70, .	3.2	84
79	Tuning the Magnetic Properties of Carbon by Nitrogen Doping of Its Graphene Domains. Journal of the American Chemical Society, 2015, 137, 7678-7685.	13.7	82
80	Molecular orientation dependent energy levels at interfaces with pentacene and pentacenequinone. Organic Electronics, 2006, 7, 537-545.	2.6	81
81	Growth and preferred crystallographic orientation of hexaphenyl thin films. Thin Solid Films, 1997, 305, 232-242.	1.8	79
82	Controlling the Work Function of Indium Tin Oxide:â€‰ Differentiating Dipolar from Local Surface Effects. Journal of the American Chemical Society, 2002, 124, 3192-3193.	13.7	79
83	Role of the effective mass and interfacial dipoles on exciton dissociation in organic donor-acceptor solar cells. Physical Review B, 2013, 87, .	3.2	79
84	V_{oc} from a Morphology Point of View: the Influence of Molecular Orientation on the Open Circuit Voltage of Organic Planar Heterojunction Solar Cells. Journal of Physical Chemistry C, 2014, 118, 26462-26470.	3.1	78
85	Constructing the Electronic Structure of CH₃NH₃PbI₃ and CH₃NH₃PbBr₃ Perovskite Thin Films from Single-Crystal Band Structure Measurements. Journal of Physical Chemistry Letters, 2019, 10, 601-609.	4.6	78
86	Structure, morphology, and optical properties of highly ordered films ofpara-sexiphenyl. Physical Review B, 2000, 61, 16538-16549.	3.2	77
87	Bi-functional interfaces by poly(ionic liquid) treatment in efficient pin and nip perovskite solar cells. Energy and Environmental Science, 2021, 14, 4508-4522.	30.8	76
88	Controlling the Early Stages of Pentacene Growth by Supersonic Molecular Beam Deposition. Physical Review Letters, 2007, 98, 076601.	7.8	75
89	Gold work function reduction by 2.2eV with an air-stable molecular donor layer. Applied Physics Letters, 2008, 93, .	3.3	75
90	Probing the energy levels in hole-doped molecular semiconductors. Materials Horizons, 2015, 2, 427-433.	12.2	75

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91	Investigating Molecular Charge Transfer Complexes with a Low Temperature Scanning Tunneling Microscope. Physical Review Letters, 2008, 100, 126102.	7.8	73
92	Influence of molecular conformation on organic/metal interface energetics. Chemical Physics Letters, 2005, 413, 390-395.	2.6	72
93	Role of charge transfer, dipole-dipole interactions, and electrostatics in Fermi-level pinning at a molecular heterojunction on a metal surface. Physical Review B, 2013, 87, .	3.2	70
94	Space-Charge Transfer in Hybrid Inorganic-Organic Systems. Physical Review Letters, 2013, 111, 226802.	7.8	68
95	Understanding and suppressing non-radiative losses in methylammonium-free wide-bandgap perovskite solar cells. Energy and Environmental Science, 2022, 15, 714-726.	30.8	68
96	Surface Modification of ZnO(0001)â€“Zn with Phosphonate-Based Self-Assembled Monolayers: Binding Modes, Orientation, and Work Function. Chemistry of Materials, 2014, 26, 5042-5050.	6.7	66
97	Influence of intramolecular polar bonds on interface energetics in perfluoro-pentacene on Ag(111). Physical Review B, 2010, 81, .	3.2	65
98	Intrinsic Surface Dipoles Control the Energy Levels of Conjugated Polymers. Advanced Functional Materials, 2009, 19, 3874-3879.	14.9	64
99	Crystallisation kinetics in thin films of dihexyl-terthiophene: the appearance of polymorphic phases. RSC Advances, 2012, 2, 4404.	3.6	64
100	Reliable Work Function Determination of Multicomponent Surfaces and Interfaces: The Role of Electrostatic Potentials in Ultraviolet Photoelectron Spectroscopy. Advanced Materials Interfaces, 2017, 4, 1700324.	3.7	61
101	Physisorption-like Interaction at the Interfaces Formed by Pentacene and Samarium. Journal of Physical Chemistry B, 2002, 106, 4192-4196.	2.6	60
102	Synergic Exfoliation of Graphene with Organic Molecules and Inorganic Ions for the Electrochemical Production of Flexible Electrodes. ChemPlusChem, 2014, 79, 439-446.	2.8	60
103	Directional Charge Transport in Layered Twoâ€Dimensional Triazineâ€Based Graphitic Carbon Nitride. Angewandte Chemie - International Edition, 2019, 58, 9394-9398.	13.8	60
104	Electronic structure of interfaces with conjugated organic materials. Physica Status Solidi - Rapid Research Letters, 2012, 6, 277-293.	2.4	59
105	Synthesis of Nickel Phosphide Electrocatalysts from Hybrid Metal Phosphonates. ACS Applied Materials & Interfaces, 2017, 9, 14013-14022.	8.0	59
106	Electronic Properties of a 1D Intrinsic/p-Doped Heterojunction in a 2D Transition Metal Dichalcogenide Semiconductor. ACS Nano, 2017, 11, 9128-9135.	14.6	58
107	Controlling energy level offsets in organic/organic heterostructures using intramolecular polar bonds. Applied Physics Letters, 2009, 94, .	3.3	57
108	Band-offset engineering in organic/inorganic semiconductor hybrid structures. Physical Chemistry Chemical Physics, 2010, 12, 11642.	2.8	57

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109	Lightâ€Modulation of the Charge Injection in a Polymer Thinâ€Film Transistor by Functionalizing the Electrodes with Bistable Photochromic Selfâ€Assembled Monolayers. Advanced Materials, 2016, 28, 6606-6611.	21.0	57
110	High open circuit voltages in pin-type perovskite solar cells through strontium addition. Sustainable Energy and Fuels, 2019, 3, 550-563.	4.9	57
111	Investigation of MoO_x/nâ€Si strong inversion layer interfaces via dopantâ€free heterocontact. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700107.	2.4	56
112	Density-Dependent Reorientation and Rehybridization of Chemisorbed Conjugated Molecules for Controlling Interface Electronic Structure. Physical Review Letters, 2010, 104, 246805.	7.8	55
113	Electronic structure of CoPc adsorbed on Ag(100): Evidence for molecule-substrate interaction mediated by Co 3<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>d</mml:mi></mml:math>orbitals. Physical Review B, 2013, 87, .	3.2	54
114	Charge Separation at Molecular Donorâ€“Acceptor Interfaces: Correlation Between Morphology and Solar Cell Performance. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 1707-1717.	2.9	53
115	Tuning the hole injection barrier height at organic/metal interfaces with (sub-) monolayers of electron acceptor molecules. Applied Physics Letters, 2005, 87, 101905.	3.3	52
116	â€œSoftâ€•Metallic Contact to Isolated C₆₀ Molecules. Nano Letters, 2008, 8, 3825-3829.	9.1	50
117	Bright Blue Solution Processed Tripleâ€Layer Polymer Lightâ€Emitting Diodes Realized by Thermal Layer Stabilization and Orthogonal Solvents. Advanced Functional Materials, 2013, 23, 4897-4905.	14.9	50
118	Tuning the Work Function of Graphene-on-Quartz with a High Weight Molecular Acceptor. Journal of Physical Chemistry C, 2014, 118, 4784-4790.	3.1	50
119	Modulation of Surface Charge Transfer through Competing Long-Range Repulsive versus Short-Range Attractive Interactions. Journal of Physical Chemistry C, 2011, 115, 18640-18648.	3.1	49
120	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
121	Exploring the bonding of large hydrocarbons on noble metals: Diindoperylene on Cu(111), Ag(111), and Au(111). Physical Review B, 2013, 87, .	3.2	49
122	Epitaxial Growth of an Organic pâ€“n Heterojunction: C₆₀ on Single-Crystal Pentacene. ACS Applied Materials & Interfaces, 2016, 8, 13499-13505.	8.0	49
123	Bipolaron:â€‰ The Stable Charged Species in n-Doped p-Sexiphenyl. Journal of Physical Chemistry B, 2000, 104, 1434-1438.	2.6	48
124	Molecular chains and carpets of sexithiophenes onAu(111). Physical Review B, 2007, 76, .	3.2	48
125	Electronic and structural properties of graphene-based transparent and conductive thin film electrodes. Applied Physics A: Materials Science and Processing, 2009, 94, 1-4.	2.3	48
126	Site-Specific Geometric and Electronic Relaxations at Organic-Metal Interfaces. Physical Review Letters, 2010, 105, 046103.	7.8	48

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127	Copper sulfide nanoparticles as hole-transporting-material in a fully-inorganic blocking layers n-i-p perovskite solar cells: Application and working insights. Applied Surface Science, 2019, 478, 607-614.	6.1	48
128	Lowâ€Cost TiS₂ as Holeâ€Transport Material for Perovskite Solar Cells. Small Methods, 2017, 1, 1700250.	8.6	47
129	Alkali Salts as Interface Modifiers in nâ€iâ€p Hybrid Perovskite Solar Cells. Solar Rrl, 2019, 3, 1900088.	5.8	47
130	Quantitative Analysis of Doping-Induced Polarons and Charge-Transfer Complexes of Poly(3-hexylthiophene) in Solution. Journal of Physical Chemistry B, 2020, 124, 7694-7708.	2.6	47
131	Insights into Charge Transfer at an Atomically Precise Nanocluster/Semiconductor Interface. Angewandte Chemie - International Edition, 2020, 59, 7748-7754.	13.8	47
132	Radiation induced degradation and surface charging of organic thin films in ultraviolet photoemission spectroscopy. Thin Solid Films, 2001, 391, 81-87.	1.8	46
133	Hybrid Supramolecular Naphthalene Diimideâ€thiophene Structures and their Application in Polymer Electronics. Advanced Functional Materials, 2007, 17, 3715-3723.	14.9	46
134	Air-Stable nâ€“iâ€“p Planar Perovskite Solar Cells Using Nickel Oxide Nanocrystals as Sole Hole-Transporting Material. ACS Applied Energy Materials, 2019, 2, 4890-4899.	5.1	46
135	Grainâ€Boundary Evolution in a Pentacene Monolayer. Advanced Materials, 2008, 20, 3254-3257.	21.0	45
136	Interdiffusion of molecular acceptors through organic layers to metal substrates mimics doping-related energy level shifts. Applied Physics Letters, 2009, 95, 093305.	3.3	45
137	Electronic Properties of Organic-Based Interfaces. MRS Bulletin, 2010, 35, 417-421.	3.5	45
138	Low-onset organic blue light emitting devices obtained by better interface control. Applied Physics Letters, 1999, 74, 2909-2911.	3.3	44
139	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
140	Unraveling the Electronic Properties of Lead Halide Perovskites with Surface Photovoltage in Photoemission Studies. ACS Applied Materials & Interfaces, 2019, 11, 21578-21583.	8.0	44
141	Tuning hole-injection barriers at organic/metal interfaces exploiting the orientation of a molecular acceptor interlayer. Physical Review B, 2011, 84, .	3.2	43
142	Doping of C60(sub)monolayers by Fermi-level pinning induced electron transfer. Physical Review B, 2012, 86, .	3.2	43
143	Highly Efficient Colorâ€Stable Deepâ€Blue Multilayer PLEDs: Preventing PEDOT:PSSâ€Induced Interface Degradation. Advanced Materials, 2013, 25, 4420-4424.	21.0	43
144	Charge transfer in and conductivity of molecularly doped thiopheneâ€based copolymers. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 58-63.	2.1	43

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145	The interaction of oxygen and ozone with pentacene. Surface Science, 2006, 600, 4004-4007.	1.9	41
146	Zn_{0.35}Co_{0.65}O â€“ A Stable and Highly Active Oxygen Evolution Catalyst Formed by Zinc Leaching and Tetrahedral Coordinated Cobalt in Wurtzite Structure. Advanced Energy Materials, 2019, 9, 1900328.	19.5	41
147	Fermi level pinning induced electrostatic fields and band bending at organic heterojunctions. Applied Physics Letters, 2014, 105, .	3.3	40
148	Tuning the work function of GaN with organic molecular acceptors. Physical Review B, 2016, 93, .	3.2	40
149	Correlation of annealing time with crystal structure, composition, and electronic properties of CH₃NH₃PbI_{3â^'x}Cl_x mixed-halide perovskite films. Physical Chemistry Chemical Physics, 2017, 19, 828-836.	2.8	40
150	Electronic Properties of the Interfaces Between the Wide Bandgap Organic SemiconductorPara-Sexiphenyl and Samarium. Advanced Functional Materials, 2001, 11, 51-58.	14.9	39
151	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
152	Electrochemical Water Oxidation of Ultrathin Cobalt Oxide-Based Catalyst Supported onto Aligned ZnO Nanorods. ACS Applied Materials & Interfaces, 2016, 8, 3226-3232.	8.0	39
153	Orientation-Dependent Work-Function Modification Using Substituted Pyrene-Based Acceptors. Journal of Physical Chemistry C, 2017, 121, 24657-24668.	3.1	39
154	Demonstration of the key substrate-dependent charge transfer mechanisms between monolayer MoS2 and molecular dopants. Communications Physics, 2019, 2, .	5.3	38
155	Charge Transfer Absorption and Emission at ZnO/Organic Interfaces. Journal of Physical Chemistry Letters, 2015, 6, 500-504.	4.6	37
156	A Polymorph Crystal Structure of Hexaphenyl Observed in Thin Films. Crystal Research and Technology, 2001, 36, 47-54.	1.3	36
157	Effect of Water, Oxygen, and Air Exposure on CH₃NH₃PbI_{3â€“}_xCl_x Perovskite Surface Electronic Properties. Advanced Electronic Materials, 2018, 4, 1800307.	5.1	36
158	Weak Charge Transfer between an Acceptor Molecule and Metal Surfaces Enabling Organic/Metal Energy Level Tuning. Journal of Physical Chemistry B, 2006, 110, 21069-21072.	2.6	35
159	Ambipolar transport in transparent and flexible all-organic heterojunction field effect transistors at ambient conditions. Organic Electronics, 2008, 9, 191-197.	2.6	35
160	Color Tuning of Nanofibers by Periodic Organicâ€“Organic Hetero-Epitaxy. ACS Nano, 2012, 6, 4629-4638.	14.6	35
161	The Effect of Gradual Fluorination on the Properties of F_nZnPc Thin Films and F_nZnPc/C₆₀ Bilayer Photovoltaic Cells. Advanced Functional Materials, 2015, 25, 1565-1573.	14.9	35
162	Organic heterojunctions: Contact-induced molecular reorientation, interface states and charge re-distribution. Scientific Reports, 2016, 6, 21291.	3.3	35

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163	Unraveling the Microstructure of Molecularly Doped Poly(3-hexylthiophene) by Thermally Induced Dedoping. Journal of Physical Chemistry C, 2018, 122, 25893-25899.	3.1	35
164	Photoemission from Azobenzene Alkanethiol Self-Assembled Monolayers. Journal of Physical Chemistry B, 2003, 107, 7768-7775.	2.6	34
165	Phase separation in vacuum codeposited pentacene/6,13-pentacenequinone thin films. Physical Review B, 2007, 75, .	3.2	34
166	Tuning the Electronic Structure of Graphene by Molecular Dopants: Impact of the Substrate. ACS Applied Materials & Interfaces, 2015, 7, 19134-19144.	8.0	34
167	Impact of low 6,13-pentacenequinone concentration on pentacene thin film growth. Applied Physics Letters, 2007, 91, 051919.	3.3	33
168	Ultrathin polythiophene films on an intrinsically conducting polymer electrode: Charge transfer induced valence states and interface dipoles. Organic Electronics, 2011, 12, 916-922.	2.6	33
169	Full electronic structure across a polymer heterojunction solar cell. Journal of Materials Chemistry, 2012, 22, 4418.	6.7	33
170	Energy-Level Engineering at ZnO/Oligophenylene Interfaces with Phosphonate-Based Self-Assembled Monolayers. ACS Applied Materials & Interfaces, 2015, 7, 11900-11907.	8.0	33
171	Interface formation and electronic structure of Î±-sexithiophene on ZnO. Applied Physics Letters, 2008, 92, .	3.3	32
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