

Norbert Koch

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404
papers

19,653
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74
h-index

125
g-index

429
ext. papers

21,566
ext. citations

7.7
avg, IF

6.87
L-index

#	Paper	IF	Citations
404	Electronic structure and electrical properties of interfaces between metals and π -conjugated molecular films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003 , 41, 2529-2548	2.6	733
403	Organic electronic devices and their functional interfaces. <i>ChemPhysChem</i> , 2007 , 8, 1438-55	3.2	663
402	Orientation-dependent ionization energies and interface dipoles in ordered molecular assemblies. <i>Nature Materials</i> , 2008 , 7, 326-32	27	512
401	Monolithic perovskite/silicon-heterojunction tandem solar cells processed at low temperature. <i>Energy and Environmental Science</i> , 2016 , 9, 81-88	35.4	469
400	Conjugated organic molecules on metal versus polymer electrodes: Demonstration of a key energy level alignment mechanism. <i>Applied Physics Letters</i> , 2003 , 82, 70-72	3.4	456
399	Molecular Electrical Doping of Organic Semiconductors: Fundamental Mechanisms and Emerging Dopant Design Rules. <i>Accounts of Chemical Research</i> , 2016 , 49, 370-8	24.3	415
398	The impact of energy alignment and interfacial recombination on the internal and external open-circuit voltage of perovskite solar cells. <i>Energy and Environmental Science</i> , 2019 , 12, 2778-2788	35.4	348
397	Large guanidinium cation mixed with methylammonium in lead iodide perovskites for 19% efficient solar cells. <i>Nature Energy</i> , 2017 , 2, 972-979	62.3	339
396	Fluorinated copolymer PCPDTBT with enhanced open-circuit voltage and reduced recombination for highly efficient polymer solar cells. <i>Journal of the American Chemical Society</i> , 2012 , 134, 14932-44	16.4	333
395	Influence of Aggregation on the Performance of All-Polymer Solar Cells Containing Low-Bandgap Naphthalenediimide Copolymers. <i>Advanced Energy Materials</i> , 2012 , 2, 369-380	21.8	292
394	Bonding self-assembled, compact organophosphonate monolayers to the native oxide surface of silicon. <i>Journal of the American Chemical Society</i> , 2003 , 125, 16074-80	16.4	285
393	Organic semiconductor density of states controls the energy level alignment at electrode interfaces. <i>Nature Communications</i> , 2014 , 5, 4174	17.4	275
392	Charge-transfer crystallites as molecular electrical dopants. <i>Nature Communications</i> , 2015 , 6, 8560	17.4	253
391	Self-Assembly and Bonding of Alkanephosphonic Acids on the Native Oxide Surface of Titanium. <i>Langmuir</i> , 2001 , 17, 5736-5738	4	252
390	Optimized hole injection with strong electron acceptors at organic-metal interfaces. <i>Physical Review Letters</i> , 2005 , 95, 237601	7.4	229
389	Moderate doping leads to high performance of semiconductor/insulator polymer blend transistors. <i>Nature Communications</i> , 2013 , 4, 1588	17.4	217
388	PTCDA on Au(1 1 1), Ag(1 1 1) and Cu(1 1 1): Correlation of interface charge transfer to bonding distance. <i>Organic Electronics</i> , 2008 , 9, 111-118	3.5	206

387	Pentacene ultrathin film formation on reduced and oxidized Si surfaces. <i>Physical Review B</i> , 2003 , 67,	3.3	200
386	Controlling Electron and Hole Charge Injection in Ambipolar Organic Field-Effect Transistors by Self-Assembled Monolayers. <i>Advanced Functional Materials</i> , 2009 , 19, 2407-2415	15.6	195
385	Optically switchable transistor via energy-level phototuning in a bicomponent organic semiconductor. <i>Nature Chemistry</i> , 2012 , 4, 675-9	17.6	194
384	Impact of bidirectional charge transfer and molecular distortions on the electronic structure of a metal-organic interface. <i>Physical Review Letters</i> , 2007 , 99, 256801	7.4	186
383	Evidence for temperature-dependent electron band dispersion in pentacene. <i>Physical Review Letters</i> , 2006 , 96, 156803	7.4	181
382	Design of Organic Semiconductors from Molecular Electrostatics. <i>Chemistry of Materials</i> , 2011 , 23, 359-377	7.7	177
381	Charged and metallic molecular monolayers through surface-induced aromatic stabilization. <i>Nature Chemistry</i> , 2013 , 5, 187-94	17.6	176
380	Band bending in conjugated polymer layers. <i>Physical Review Letters</i> , 2011 , 106, 216402	7.4	171
379	Surface Termination Dependent Work Function and Electronic Properties of Ti ₃ C ₂ T _x MXene. <i>Chemistry of Materials</i> , 2019 , 31, 6590-6597	9.6	169
378	Advanced surface modification of indium tin oxide for improved charge injection in organic devices. <i>Journal of the American Chemical Society</i> , 2005 , 127, 10058-62	16.4	164
377	Dynamic scaling, island size distribution, and morphology in the aggregation regime of submonolayer pentacene films. <i>Physical Review Letters</i> , 2003 , 91, 136102	7.4	164
376	Reduced Interface-Mediated Recombination for High Open-Circuit Voltages in CH ₃ NH ₃ PbI ₃ Solar Cells. <i>Advanced Materials</i> , 2017 , 29, 1700159	24	163
375	High Fill Factor and Open Circuit Voltage in Organic Photovoltaic Cells with Diindenoperylene as Donor Material. <i>Advanced Functional Materials</i> , 2010 , 20, 4295-4303	15.6	163
374	Intermolecular hybridization governs molecular electrical doping. <i>Physical Review Letters</i> , 2012 , 108, 035502	7.4	152
373	Doping of organic semiconductors: impact of dopant strength and electronic coupling. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 7751-5	16.4	151
372	Influence of Charge Transport Layers on Open-Circuit Voltage and Hysteresis in Perovskite Solar Cells. <i>Joule</i> , 2018 , 2, 788-798	27.8	147
371	Tuning the ionization energy of organic semiconductor films: the role of intramolecular polar bonds. <i>Journal of the American Chemical Society</i> , 2008 , 130, 12870-1	16.4	145
370	Localized Charge Transfer in a Molecularly Doped Conducting Polymer. <i>Advanced Materials</i> , 2007 , 19, 3257-3260	24	141

369	Adsorption-induced intramolecular dipole: correlating molecular conformation and interface electronic structure. <i>Journal of the American Chemical Society</i> , 2008 , 130, 7300-4	16.4	138
368	The Effect of Fluorination on Pentacene/Gold Interface Energetics and Charge Reorganization Energy. <i>Advanced Materials</i> , 2007 , 19, 112-116	24	138
367	Energy levels at interfaces between metals and conjugated organic molecules. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 184008	1.8	131
366	Potassium Postdeposition Treatment-Induced Band Gap Widening at Cu(In,Ga)Se ₂ Surfaces--Reason for Performance Leap?. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 27414-20	9.5	125
365	Beating the thermodynamic limit with photo-activation of n-doping in organic semiconductors. <i>Nature Materials</i> , 2017 , 16, 1209-1215	27	120
364	Interplay between morphology, structure, and electronic properties at diindenoperylene-gold interfaces. <i>Physical Review B</i> , 2003 , 68,	3.3	112
363	Work Function Independent Hole-Injection Barriers Between Pentacene and Conducting Polymers. <i>Advanced Materials</i> , 2005 , 17, 330-335	24	111
362	Impact of White Light Illumination on the Electronic and Chemical Structures of Mixed Halide and Single Crystal Perovskites. <i>Advanced Optical Materials</i> , 2017 , 5, 1700139	8.1	109
361	F4TCNQ on Cu, Ag, and Au as prototypical example for a strong organic acceptor on coinage metals. <i>Physical Review B</i> , 2009 , 79,	3.3	108
360	Chemical vapor deposition of N-doped graphene and carbon films: the role of precursors and gas phase. <i>ACS Nano</i> , 2014 , 8, 3337-46	16.7	107
359	Core, shell, and surface-optimized dendrimers for blue light-emitting diodes. <i>Journal of the American Chemical Society</i> , 2011 , 133, 1301-3	16.4	107
358	Orders-of-Magnitude Reduction of the Contact Resistance in Short-Channel Hot Embossed Organic Thin Film Transistors by Oxidative Treatment of Au-Electrodes. <i>Advanced Functional Materials</i> , 2007 , 17, 2687-2692	15.6	106
357	Influence of water on the work function of conducting poly(3,4-ethylenedioxythiophene)/poly(styrenesulfonate). <i>Applied Physics Letters</i> , 2007 , 90, 043512	3.4	106
356	Energy level alignment and morphology of interfaces between molecular and polymeric organic semiconductors. <i>Organic Electronics</i> , 2007 , 8, 606-614	3.5	104
355	Direct determination of monolayer MoS ₂ and WSe ₂ exciton binding energies on insulating and metallic substrates. <i>2D Materials</i> , 2018 , 5, 025003	5.9	100
354	Epitaxial growth of stacked perfluoropentacene on graphene-coated quartz. <i>ACS Nano</i> , 2012 , 6, 10874-88.7	8.7	96
353	Controlling the work function of ZnO and the energy-level alignment at the interface to organic semiconductors with a molecular electron acceptor. <i>Physical Review B</i> , 2013 , 87,	3.3	96
352	Substrate-dependent bonding distances of PTCDA: A comparative x-ray standing-wave study on Cu(111) and Ag(111). <i>Physical Review B</i> , 2007 , 75,	3.3	93

351	The effect of oxygen exposure on pentacene electronic structure. <i>European Physical Journal E</i> , 2005 , 17, 339-43	1.5	93
350	Transparent, highly conductive graphene electrodes from acetylene-assisted thermolysis of graphite oxide sheets and nanographene molecules. <i>Nanotechnology</i> , 2009 , 20, 434007	3.4	91
349	Organic molecular films on gold versus conducting polymer: Influence of injection barrier height and morphology on current-voltage characteristics. <i>Applied Physics Letters</i> , 2003 , 82, 2281-2283	3.4	91
348	UV λ zone treated Au for air-stable, low hole injection barrier electrodes in organic electronics. <i>Journal of Applied Physics</i> , 2006 , 100, 053701	2.5	90
347	Unraveling the Light-Induced Degradation Mechanisms of CH ₃ NH ₃ PbI ₃ Perovskite Films. <i>Advanced Electronic Materials</i> , 2017 , 3, 1700158	6.4	89
346	Structural and electronic properties of pentacene-fullerene heterojunctions. <i>Journal of Applied Physics</i> , 2008 , 104, 114518	2.5	89
345	Electrode-molecular semiconductor contacts: Work-function-dependent hole injection barriers versus Fermi-level pinning. <i>Applied Physics Letters</i> , 2006 , 89, 162107	3.4	89
344	Energy-level alignment at organic heterointerfaces. <i>Science Advances</i> , 2015 , 1, e1501127	14.3	87
343	Charge-Transfer Localization in Molecularly Doped Thiophene-Based Donor Polymers. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 2037-2041	6.4	86
342	Towards understanding the doping mechanism of organic semiconductors by Lewis acids. <i>Nature Materials</i> , 2019 , 18, 1327-1334	27	85
341	Identification of different origins for s-shaped current voltage characteristics in planar heterojunction organic solar cells. <i>Journal of Applied Physics</i> , 2012 , 111, 054509	2.5	83
340	Harnessing the liquid-phase exfoliation of graphene using aliphatic compounds: a supramolecular approach. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 10355-61	16.4	82
339	Correlation between interface energetics and open circuit voltage in organic photovoltaic cells. <i>Applied Physics Letters</i> , 2012 , 101, 233301	3.4	81
338	Dislocation arrangements in pentacene thin films. <i>Physical Review B</i> , 2004 , 70,	3.3	81
337	Molecular orientation dependent energy levels at interfaces with pentacene and pentacenequinone. <i>Organic Electronics</i> , 2006 , 7, 537-545	3.5	80
336	Structural order in perfluoropentacene thin films and heterostructures with pentacene. <i>Langmuir</i> , 2008 , 24, 7294-8	4	78
335	Efficient light emission from inorganic and organic semiconductor hybrid structures by energy-level tuning. <i>Nature Communications</i> , 2015 , 6, 6754	17.4	77
334	Band-bending in organic semiconductors: the role of alkali-halide interlayers. <i>Advanced Materials</i> , 2014 , 26, 925-30	24	76

333	Controlling the work function of indium tin oxide: differentiating dipolar from local surface effects. <i>Journal of the American Chemical Society</i> , 2002 , 124, 3192-3	16.4	75
332	Growth and preferred crystallographic orientation of hexaphenyl thin films. <i>Thin Solid Films</i> , 1997 , 305, 232-242	2.2	74
331	Perfluorinated Self-Assembled Monolayers Enhance the Stability and Efficiency of Inverted Perovskite Solar Cells. <i>ACS Nano</i> , 2020 , 14, 1445-1456	16.7	74
330	Voc from a Morphology Point of View: the Influence of Molecular Orientation on the Open Circuit Voltage of Organic Planar Heterojunction Solar Cells. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 26462-26470	23.8	71
329	Gold work function reduction by 2.2eV with an air-stable molecular donor layer. <i>Applied Physics Letters</i> , 2008 , 93, 243303	3.4	71
328	Role of the effective mass and interfacial dipoles on exciton dissociation in organic donor-acceptor solar cells. <i>Physical Review B</i> , 2013 , 87,	3.3	70
327	Investigating molecular charge transfer complexes with a low temperature scanning tunneling microscope. <i>Physical Review Letters</i> , 2008 , 100, 126102	7.4	70
326	Structure, morphology, and optical properties of highly ordered films of para-sexiphenyl. <i>Physical Review B</i> , 2000 , 61, 16538-16549	3.3	69
325	Controlling the early stages of pentacene growth by supersonic molecular beam deposition. <i>Physical Review Letters</i> , 2007 , 98, 076601	7.4	67
324	Influence of molecular conformation on organic/metal interface energetics. <i>Chemical Physics Letters</i> , 2005 , 413, 390-395	2.5	66
323	Role of charge transfer, dipole-dipole interactions, and electrostatics in Fermi-level pinning at a molecular heterojunction on a metal surface. <i>Physical Review B</i> , 2013 , 87,	3.3	65
322	Surface State Density Determines the Energy Level Alignment at Hybrid Perovskite/Electron Acceptors Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 41546-41552	9.5	65
321	Influence of intramolecular polar bonds on interface energetics in perfluoro-pentacene on Ag(111). <i>Physical Review B</i> , 2010 , 81,	3.3	63
320	Tin-assisted heteroepitaxial PLD-growth of EGa_2O_3 thin films with high crystalline quality. <i>APL Materials</i> , 2019 , 7, 022516	5.7	63
319	Interface Engineering of Solution-Processed Hybrid Organohalide Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 21681-21687	9.5	62
318	Tuning the Magnetic Properties of Carbon by Nitrogen Doping of Its Graphene Domains. <i>Journal of the American Chemical Society</i> , 2015 , 137, 7678-85	16.4	59
317	Crystallisation kinetics in thin films of dihexyl-terthiophene: the appearance of polymorphic phases. <i>RSC Advances</i> , 2012 , 2, 4404	3.7	59
316	Space-charge transfer in hybrid inorganic-organic systems. <i>Physical Review Letters</i> , 2013 , 111, 226802	7.4	59

315	Intrinsic Surface Dipoles Control the Energy Levels of Conjugated Polymers. <i>Advanced Functional Materials</i> , 2009 , 19, 3874-3879	15.6	59
314	Surface Modification of ZnO(0001)Zn with Phosphonate-Based Self-Assembled Monolayers: Binding Modes, Orientation, and Work Function. <i>Chemistry of Materials</i> , 2014 , 26, 5042-5050	9.6	57
313	Probing the energy levels in hole-doped molecular semiconductors. <i>Materials Horizons</i> , 2015 , 2, 427-433	14.4	57
312	Electronic structure of interfaces with conjugated organic materials. <i>Physica Status Solidi - Rapid Research Letters</i> , 2012 , 6, 277-293	2.5	57
311	Physisorption-like Interaction at the Interfaces Formed by Pentacene and Samarium. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 4192-4196	3.4	56
310	Constructing the Electronic Structure of CHNHPbI and CHNHPbBr Perovskite Thin Films from Single-Crystal Band Structure Measurements. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 601-609	6.4	55
309	Growth of Nb-Doped Monolayer WS by Liquid-Phase Precursor Mixing. <i>ACS Nano</i> , 2019 , 13, 10768-10775	16.7	54
308	Halide Segregation versus Interfacial Recombination in Bromide-Rich Wide-Gap Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2020 , 5, 2728-2736	20.1	54
307	Controlling energy level offsets in organic/organic heterostructures using intramolecular polar bonds. <i>Applied Physics Letters</i> , 2009 , 94, 033304	3.4	53
306	Synergic Exfoliation of Graphene with Organic Molecules and Inorganic Ions for the Electrochemical Production of Flexible Electrodes. <i>ChemPlusChem</i> , 2014 , 79, 439-446	2.8	52
305	Density-dependent reorientation and rehybridization of chemisorbed conjugated molecules for controlling interface electronic structure. <i>Physical Review Letters</i> , 2010 , 104, 246805	7.4	51
304	Band-offset engineering in organic/inorganic semiconductor hybrid structures. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 11642-6	3.6	50
303	Light-Modulation of the Charge Injection in a Polymer Thin-Film Transistor by Functionalizing the Electrodes with Bistable Photochromic Self-Assembled Monolayers. <i>Advanced Materials</i> , 2016 , 28, 6606-11	24	50
302	Electronic structure of CoPc adsorbed on Ag(100): Evidence for molecule-substrate interaction mediated by Co 3d orbitals. <i>Physical Review B</i> , 2013 , 87,	3.3	49
301	Tuning the hole injection barrier height at organic/metal interfaces with (sub-) monolayers of electron acceptor molecules. <i>Applied Physics Letters</i> , 2005 , 87, 101905	3.4	49
300	Charge Separation at Molecular Donor-Acceptor Interfaces: Correlation Between Morphology and Solar Cell Performance. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2010 , 16, 1707-1717	3.8	48
299	Electronic Properties of a 1D Intrinsic/p-Doped Heterojunction in a 2D Transition Metal Dichalcogenide Semiconductor. <i>ACS Nano</i> , 2017 , 11, 9128-9135	16.7	47
298	Exploring the bonding of large hydrocarbons on noble metals: Diindoperylene on Cu(111), Ag(111), and Au(111). <i>Physical Review B</i> , 2013 , 87,	3.3	47

297	Modulation of Surface Charge Transfer through Competing Long-Range Repulsive versus Short-Range Attractive Interactions. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 18640-18648	3.8	46
296	Hybrid Supramolecular Naphthalene Diimide-thiophene Structures and their Application in Polymer Electronics. <i>Advanced Functional Materials</i> , 2007 , 17, 3715-3723	15.6	46
295	Investigation of MoOx/n-Si strong inversion layer interfaces via dopant-free heterocontact. <i>Physica Status Solidi - Rapid Research Letters</i> , 2017 , 11, 1700107	2.5	45
294	Bright Blue Solution Processed Triple-Layer Polymer Light-Emitting Diodes Realized by Thermal Layer Stabilization and Orthogonal Solvents. <i>Advanced Functional Materials</i> , 2013 , 23, 4897-4905	15.6	45
293	Electronic and structural properties of graphene-based transparent and conductive thin film electrodes. <i>Applied Physics A: Materials Science and Processing</i> , 2009 , 94, 1-4	2.6	45
292	"Soft" metallic contact to isolated C60 molecules. <i>Nano Letters</i> , 2008 , 8, 3825-9	11.5	45
291	Bipolaron: The Stable Charged Species in n-Doped p-Sexiphenyl. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 1434-1438	3.4	45
290	Synthesis of Nickel Phosphide Electrocatalysts from Hybrid Metal Phosphonates. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 14013-14022	9.5	44
289	Molecular chains and carpets of sexithiophenes on Au(111). <i>Physical Review B</i> , 2007 , 76,	3.3	44
288	Two dimensional band structure mapping of organic single crystals using the new generation electron energy analyzer ARTOF. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2012 , 185, 55-60	1.7	43
287	Site-specific geometric and electronic relaxations at organic-metal interfaces. <i>Physical Review Letters</i> , 2010 , 105, 046103	7.4	43
286	High open circuit voltages in pin-type perovskite solar cells through strontium addition. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 550-563	5.8	42
285	Tuning the Work Function of Graphene-on-Quartz with a High Weight Molecular Acceptor. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 4784-4790	3.8	42
284	Electronic Properties of Organic-Based Interfaces. <i>MRS Bulletin</i> , 2010 , 35, 417-421	3.2	42
283	Doping of C60 (sub)monolayers by Fermi-level pinning induced electron transfer. <i>Physical Review B</i> , 2012 , 86,	3.3	42
282	Radiation induced degradation and surface charging of organic thin films in ultraviolet photoemission spectroscopy. <i>Thin Solid Films</i> , 2001 , 391, 81-87	2.2	42
281	Structure Solution of the 6,13-Pentacenequinone Surface-Induced Polymorph by Combining X-ray Diffraction Reciprocal-Space Mapping and Theoretical Structure Modeling. <i>Crystal Growth and Design</i> , 2011 , 11, 600-606	3.5	41
280	Interdiffusion of molecular acceptors through organic layers to metal substrates mimics doping-related energy level shifts. <i>Applied Physics Letters</i> , 2009 , 95, 093305	3.4	41

279	Low-onset organic blue light emitting devices obtained by better interface control. <i>Applied Physics Letters</i> , 1999 , 74, 2909-2911	3.4	41
278	Grain-Boundary Evolution in a Pentacene Monolayer. <i>Advanced Materials</i> , 2008 , 20, 3254-3257	24	40
277	The interaction of oxygen and ozone with pentacene. <i>Surface Science</i> , 2006 , 600, 4004-4007	1.8	40
276	Epitaxial Growth of an Organic p-n Heterojunction: C60 on Single-Crystal Pentacene. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 13499-505	9.5	40
275	Highly efficient color-stable deep-blue multilayer PLEDs: preventing PEDOT:PSS-induced interface degradation. <i>Advanced Materials</i> , 2013 , 25, 4420-4	24	38
274	Tuning hole-injection barriers at organic/metal interfaces exploiting the orientation of a molecular acceptor interlayer. <i>Physical Review B</i> , 2011 , 84,	3.3	38
273	Fermi level pinning induced electrostatic fields and band bending at organic heterojunctions. <i>Applied Physics Letters</i> , 2014 , 105, 223303	3.4	37
272	Electronic Properties of the Interfaces Between the Wide Bandgap Organic Semiconductor Para-Sexiphenyl and Samarium. <i>Advanced Functional Materials</i> , 2001 , 11, 51-58	15.6	37
271	Electrochemical Water Oxidation of Ultrathin Cobalt Oxide-Based Catalyst Supported onto Aligned ZnO Nanorods. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 3226-32	9.5	35
270	Low-Cost TiS ₂ as Hole-Transport Material for Perovskite Solar Cells. <i>Small Methods</i> , 2017 , 1, 1700250	12.8	35
269	Reliable Work Function Determination of Multicomponent Surfaces and Interfaces: The Role of Electrostatic Potentials in Ultraviolet Photoelectron Spectroscopy. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1700324	4.6	35
268	Weak charge transfer between an acceptor molecule and metal surfaces enabling organic/metal energy level tuning. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 21069-72	3.4	35
267	Correlation of annealing time with crystal structure, composition, and electronic properties of CH ₃ NH ₃ PbI ₃ mixed-halide perovskite films. <i>Physical Chemistry Chemical Physics</i> , 2016 , 19, 828-836	3.6	34
266	Charge transfer in and conductivity of molecularly doped thiophene-based copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015 , 53, 58-63	2.6	34
265	Organic heterojunctions: Contact-induced molecular reorientation, interface states, and charge re-distribution. <i>Scientific Reports</i> , 2016 , 6, 21291	4.9	34
264	The Impact of Local Work Function Variations on Fermi Level Pinning of Organic Semiconductors. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 22285-22289	3.8	34
263	Phase separation in vacuum codeposited pentacene/6,13-pentacenequinone thin films. <i>Physical Review B</i> , 2007 , 75,	3.3	34
262	Color tuning of nanofibers by periodic organic-organic hetero-epitaxy. <i>ACS Nano</i> , 2012 , 6, 4629-38	16.7	33

261	Ultrathin polythiophene films on an intrinsically conducting polymer electrode: Charge transfer induced valence states and interface dipoles. <i>Organic Electronics</i> , 2011 , 12, 916-922	3.5	33
260	Ambipolar transport in transparent and flexible all-organic heterojunction field effect transistors at ambient conditions. <i>Organic Electronics</i> , 2008 , 9, 191-197	3.5	33
259	Impact of low 6,13-pentacenequinone concentration on pentacene thin film growth. <i>Applied Physics Letters</i> , 2007 , 91, 051919	3.4	33
258	Alkali Salts as Interface Modifiers in n-i-p Hybrid Perovskite Solar Cells. <i>Solar Rrl</i> , 2019 , 3, 1900088	7.1	32
257	Charge Transfer Absorption and Emission at ZnO/Organic Interfaces. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 500-4	6.4	32
256	Tuning the work function of GaN with organic molecular acceptors. <i>Physical Review B</i> , 2016 , 93,	3.3	32
255	Photoemission from Azobenzene Alkanethiol Self-Assembled Monolayers. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 7768-7775	3.4	32
254	Unraveling the Electronic Properties of Lead Halide Perovskites with Surface Photovoltage in Photoemission Studies. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 21578-21583	9.5	31
253	Directional Charge Transport in Layered Two-Dimensional Triazine-Based Graphitic Carbon Nitride. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 9394-9398	16.4	31
252	Electric fields induced by energy level pinning at organic heterojunctions. <i>Applied Physics Letters</i> , 2011 , 98, 123304	3.4	31
251	Energy-Level Engineering at ZnO/Oligophenylene Interfaces with Phosphonate-Based Self-Assembled Monolayers. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 11900-7	9.5	30
250	Full electronic structure across a polymer heterojunction solar cell. <i>Journal of Materials Chemistry</i> , 2012 , 22, 4418		30
249	Phase-separation and mixing in thin films of co-deposited rod-like conjugated molecules. <i>Journal of Materials Chemistry</i> , 2010 , 20, 4055		30
248	Continuous Tuning of Organic Transistor Operation from Enhancement to Depletion Mode. <i>Advanced Materials</i> , 2009 , 21, 344-348	24	30
247	Anisotropy in ordered sexithiophene thin films studied by angle-resolved photoemission using combined laser and synchrotron radiation. <i>Applied Physics Letters</i> , 2005 , 87, 093501	3.4	30
246	A Polymorph Crystal Structure of Hexaphenyl Observed in Thin Films. <i>Crystal Research and Technology</i> , 2001 , 36, 47-54	1.3	30
245	Effect of Water, Oxygen, and Air Exposure on CH ₃ NH ₃ PbI _{3-x} Cl _x Perovskite Surface Electronic Properties. <i>Advanced Electronic Materials</i> , 2018 , 4, 1800307	6.4	30
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