

# Antoine Kahn

## List of Publications by Citations

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266  
papers

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g-index

275  
ext. papers

29,139  
ext. citations

8.9  
avg, IF

7.19  
L-index

#	Paper	IF	Citations
266	A universal method to produce low-work function electrodes for organic electronics. <i>Science</i> , <b>2012</b> , 336, 327-32	33.3	1642
265	Transition metal oxides for organic electronics: energetics, device physics and applications. <i>Advanced Materials</i> , <b>2012</b> , 24, 5408-27	24	881
264	Electronic structure and electrical properties of interfaces between metals and $\pi$ -conjugated molecular films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2003</b> , 41, 2529-2548	2.6	733
263	Charge-separation energy in films of $\pi$ -conjugated organic molecules. <i>Chemical Physics Letters</i> , <b>2000</b> , 327, 181-188	2.5	665
262	Surface modification of indium tin oxide by plasma treatment: An effective method to improve the efficiency, brightness, and reliability of organic light emitting devices. <i>Applied Physics Letters</i> , <b>1997</b> , 70, 1348-1350	3.4	616
261	Electron Energetics at Surfaces and Interfaces: Concepts and Experiments. <i>Advanced Materials</i> , <b>2003</b> , 15, 271-277	24	564
260	Interface energetics in organo-metal halide perovskite-based photovoltaic cells. <i>Energy and Environmental Science</i> , <b>2014</b> , 7, 1377	35.4	554
259	Role of the deep-lying electronic states of MoO <sub>3</sub> in the enhancement of hole-injection in organic thin films. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 123301	3.4	547
258	Energetics of metal-organic interfaces: New experiments and assessment of the field. <i>Materials Science and Engineering Reports</i> , <b>2009</b> , 64, 1-31	30.9	526
257	Conjugated organic molecules on metal versus polymer electrodes: Demonstration of a key energy level alignment mechanism. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 70-72	3.4	456
256	Molecular level alignment at organic semiconductor-metal interfaces. <i>Applied Physics Letters</i> , <b>1998</b> , 73, 662-664	3.4	402
255	Fermi level, work function and vacuum level. <i>Materials Horizons</i> , <b>2016</b> , 3, 7-10	14.4	396
254	The vibrational reorganization energy in pentacene: molecular influences on charge transport. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 7918-9	16.4	376
253	P-type doping of organic wide band gap materials by transition metal oxides: A case-study on Molybdenum trioxide. <i>Organic Electronics</i> , <b>2009</b> , 10, 932-938	3.5	368
252	Hybrid Organic-Inorganic Perovskites (HOIPs): Opportunities and Challenges. <i>Advanced Materials</i> , <b>2015</b> , 27, 5102-12	24	325
251	Controlled p-doping of zinc phthalocyanine by coevaporation with tetrafluorotetracyanoquinodimethane: A direct and inverse photoemission study. <i>Applied Physics Letters</i> , <b>2001</b> , 79, 4040-4042	3.4	307
250	MoO <sub>3</sub> films spin-coated from a nanoparticle suspension for efficient hole-injection in organic electronics. <i>Advanced Materials</i> , <b>2011</b> , 23, 70-3	24	297

249	Lithium doping of semiconducting organic charge transport materials. <i>Journal of Applied Physics</i> , <b>2001</b> , 89, 4986-4992	2.5	295
248	Energetics of molecular interfaces. <i>Materials Today</i> , <b>2005</b> , 8, 32-41	21.8	290
247	Halide Perovskites: Is It All about the Interfaces?. <i>Chemical Reviews</i> , <b>2019</b> , 119, 3349-3417	68.1	287
246	Chemistry and electronic properties of metal-organic semiconductor interfaces: Al, Ti, In, Sn, Ag, and Au on PTCDA. <i>Physical Review B</i> , <b>1996</b> , 54, 13748-13758	3.3	286
245	Evidence for near-Surface NiOOH Species in Solution-Processed NiOx Selective Interlayer Materials: Impact on Energetics and the Performance of Polymer Bulk Heterojunction Photovoltaics. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 4988-5000	9.6	283
244	Enhanced Efficiency in Plastic Solar Cells via Energy Matched Solution Processed NiOx Interlayers. <i>Advanced Energy Materials</i> , <b>2011</b> , 1, 813-820	21.8	273
243	Valence and Conduction Band Densities of States of Metal Halide Perovskites: A Combined Experimental-Theoretical Study. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 2722-9	6.4	264
242	Organic semiconductor interfaces: electronic structure and transport properties. <i>Applied Surface Science</i> , <b>2000</b> , 166, 354-362	6.7	255
241	Surface oxidation activates indium tin oxide for hole injection. <i>Journal of Applied Physics</i> , <b>2000</b> , 87, 572-576	21.6	254
240	Controlled p doping of the hole-transport molecular material N,N'-diphenyl-N,N'-bis(1-naphthyl)-1,1'-biphenyl-4,4'-diamine with tetrafluorotetracyanoquinodimethane. <i>Journal of Applied Physics</i> , <b>2003</b> , 94, 359-366	2.5	244
239	Semiconductor surface structures. <i>Surface Science Reports</i> , <b>1983</b> , 3, 193-300	12.9	243
238	Energy level alignment at organic heterojunctions: Role of the charge neutrality level. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	242
237	Electronic structure and current injection in zinc phthalocyanine doped with tetrafluorotetracyanoquinodimethane: Interface versus bulk effects. <i>Organic Electronics</i> , <b>2002</b> , 3, 53-63	3.5	237
236	Electronic polarization at surfaces and thin films of organic molecular crystals: PTCDA. <i>Chemical Physics Letters</i> , <b>2002</b> , 360, 47-52	2.5	237
235	Polarization at the gold/pentacene interface. <i>Organic Electronics</i> , <b>2005</b> , 6, 85-91	3.5	229
234	Dipole formation at metal/PTCDA interfaces: Role of the Charge Neutrality Level. <i>Europhysics Letters</i> , <b>2004</b> , 65, 802-808	1.6	210
233	Spectroscopic study on sputtered PEDOT/PSS: Role of surface PSS layer. <i>Organic Electronics</i> , <b>2006</b> , 7, 387-396	3.5	209
232	Direct determination of the electronic structure of the poly(3-hexylthiophene):phenyl-[6,6]-C61 butyric acid methyl ester blend. <i>Organic Electronics</i> , <b>2010</b> , 11, 1779-1785	3.5	200

231	Molecules on si: electronics with chemistry. <i>Advanced Materials</i> , <b>2010</b> , 22, 140-59	24	197
230	Ultralow doping in organic semiconductors: evidence of trap filling. <i>Physical Review Letters</i> , <b>2012</b> , 109, 176601	7.4	192
229	Electronic structure of Vanadium pentoxide: An efficient hole injector for organic electronic materials. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 033710	2.5	190
228	Inverted Organic Solar Cells with Sol-Gel Processed High Work-Function Vanadium Oxide Hole-Extraction Layers. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 4776-4783	15.6	186
227	Impact of electrode contamination on the $\text{InP}/\text{Au}$ hole injection barrier. <i>Organic Electronics</i> , <b>2005</b> , 6, 47-54	3.5	168
226	Dynamic scaling, island size distribution, and morphology in the aggregation regime of submonolayer pentacene films. <i>Physical Review Letters</i> , <b>2003</b> , 91, 136102	7.4	164
225	Effect of contamination on the electronic structure and hole-injection properties of $\text{MoO}_3$ /organic semiconductor interfaces. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 133308	3.4	163
224	Energy level offset at organic semiconductor heterojunctions. <i>Journal of Applied Physics</i> , <b>1998</b> , 83, 2649-2655	2.5	162
223	Dynamical analysis of low-energy electron diffraction intensities from $\text{GaAs}(110)\text{-p}(1\times 1)\text{-Sb}(1\text{ ML})$ . <i>Physical Review B</i> , <b>1982</b> , 26, 803-814	3.3	162
222	Mechanistic study on the solution-phase n-doping of 1,3-dimethyl-2-aryl-2,3-dihydro-1H-benzimidazole derivatives. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 15018-25	16.4	159
221	Barrier formation at metal-organic interfaces: dipole formation and the charge neutrality level. <i>Applied Surface Science</i> , <b>2004</b> , 234, 107-112	6.7	159
220	Charge generation layers comprising transition metal-oxide/organic interfaces: Electronic structure and charge generation mechanism. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 193302	3.4	157
219	Photoemission spectroscopy investigation of magnesium- $\text{Alq}_3$ interfaces. <i>Journal of Applied Physics</i> , <b>1998</b> , 84, 355-358	2.5	156
218	Electron affinities of 1,1-diaryl-2,3,4,5-tetraphenylsiloles: direct measurements and comparison with experimental and theoretical estimates. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 9021-9024	16.4	148
217	Hole-blocking titanium-oxide/silicon heterojunction and its application to photovoltaics. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 203901	3.4	146
216	Impact of an interface dipole layer on molecular level alignment at an organic-conductor interface studied by ultraviolet photoemission spectroscopy. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	145
215	Correlation between EF pinning and development of metallic character in Ag overlayers on $\text{GaAs}(110)$ . <i>Physical Review Letters</i> , <b>1988</b> , 60, 440-443	7.4	145
214	Metal-dependent charge transfer and chemical interaction at interfaces between 3,4,9,10-perylenetetracarboxylic bisimidazole and gold, silver and magnesium. <i>Organic Electronics</i> , <b>2000</b> , 1, 5-13	3.5	144

213	Sensitization of silicon by singlet exciton fission in tetracene. <i>Nature</i> , <b>2019</b> , 571, 90-94	50.4	143
212	Pairing of near-ultraviolet solar cells with electrochromic windows for smart management of the solar spectrum. <i>Nature Energy</i> , <b>2017</b> , 2,	62.3	142
211	Organic semiconductor heterointerfaces containing bathocuproine. <i>Journal of Applied Physics</i> , <b>1999</b> , 86, 4515-4519	2.5	141
210	Electronic Level Alignment in Inverted Organometal Perovskite Solar Cells. <i>Advanced Materials Interfaces</i> , <b>2015</b> , 2, 1400532	4.6	139
209	Direct determination of the hole density of states in undoped and doped amorphous organic films with high lateral resolution. <i>Physical Review Letters</i> , <b>2005</b> , 95, 256405	7.4	139
208	n-Doping of organic electronic materials using air-stable organometallics. <i>Advanced Materials</i> , <b>2012</b> , 24, 699-703	24	138
207	The Role of Transition Metal Oxides in Charge-Generation Layers for Stacked Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 1762-1766	15.6	138
206	Energy level alignment at interfaces of organic semiconductor heterostructures. <i>Journal of Applied Physics</i> , <b>1998</b> , 84, 5583-5586	2.5	138
205	Low-temperature, solution-processed molybdenum oxide hole-collection layer for organic photovoltaics. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 3249		136
204	Combined photoemission/in vacuo transport study of the indium tin oxide/copper phthalocyanine/N,N'-diphenyl-N,N'-bis(1-naphthyl)-1,1'-biphenyl-4,4'-diamine molecular organic semiconductor system. <i>Journal of Applied Physics</i> , <b>1999</b> , 86, 2116-2122	2.5	136
203	Photovoltaic efficiency limits and material disorder. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 6022	35.4	134
202	Chemical and electrical properties of interfaces between magnesium and aluminum and tris-(8-hydroxy quinoline) aluminum. <i>Journal of Applied Physics</i> , <b>2001</b> , 89, 449-459	2.5	134
201	Dynamical calculation of low-energy electron diffraction intensities from GaAs(110): Influence of boundary conditions, exchange potential, lattice vibrations, and multilayer reconstructions. <i>Physical Review B</i> , <b>1979</b> , 19, 5194-5205	3.3	134
200	Induced Density of States model for weakly-interacting organic semiconductor interfaces. <i>Organic Electronics</i> , <b>2007</b> , 8, 241-248	3.5	128
199	Hydrogen passivation of germanium (100) surface using wet chemical preparation. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 253101	3.4	128
198	Energy level alignment in PCDTBT:PC70BM solar cells: Solution processed NiOx for improved hole collection and efficiency. <i>Organic Electronics</i> , <b>2012</b> , 13, 744-749	3.5	127
197	Chemistry, diffusion, and electronic properties of a metal/organic semiconductor contact: In/perylene-tetracarboxylic dianhydride. <i>Applied Physics Letters</i> , <b>1996</b> , 68, 217-219	3.4	124
196	Electron-hole interaction energy in the organic molecular semiconductor PTCDA. <i>Chemical Physics Letters</i> , <b>1997</b> , 272, 43-47	2.5	123

195	High-resolution synchrotron-radiation core-level spectroscopy of decapped GaAs(100) surfaces. <i>Physical Review B</i> , <b>1991</b> , 43, 14301-14304	3.3	122
194	Mixed-Halide Perovskites with Stabilized Bandgaps. <i>Nano Letters</i> , <b>2017</b> , 17, 6863-6869	11.5	121
193	Beating the thermodynamic limit with photo-activation of n-doping in organic semiconductors. <i>Nature Materials</i> , <b>2017</b> , 16, 1209-1215	27	120
192	Molecular n-Type Doping of 1,4,5,8-Naphthalene Tetracarboxylic Dianhydride by Pyronin B Studied Using Direct and Inverse Photoelectron Spectroscopies. <i>Advanced Functional Materials</i> , <b>2006</b> , 16, 831-837	15.6	119
191	How do electronic carriers cross Si-bound alkyl monolayers?. <i>Physical Review Letters</i> , <b>2005</b> , 95, 266807	7.4	119
190	Occupied and unoccupied electronic levels in organic $\pi$ -conjugated molecules: comparison between experiment and theory. <i>Chemical Physics Letters</i> , <b>2000</b> , 317, 444-450	2.5	119
189	What is the Barrier for Tunneling Through Alkyl Monolayers? Results from n- and p-Si/Alkyl/Hg Junctions. <i>Advanced Materials</i> , <b>2007</b> , 19, 445-450	24	118
188	High-Work-Function Molybdenum Oxide Hole Extraction Contacts in Hybrid Organic-Inorganic Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 31491-31499	9.5	116
187	Interplay between morphology, structure, and electronic properties at diindenoperylene-gold interfaces. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	112
186	GaN (0001)-(111) surfaces: Composition and electronic properties. <i>Journal of Applied Physics</i> , <b>1998</b> , 83, 4249-4252	2.5	112
185	The Influence of Film Morphology in High-Mobility Small-Molecule:Polymer Blend Organic Transistors. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 2330-2337	15.6	110
184	Photoelectron Spectroscopic Study of the Electronic Band Structure of Polyfluorene and Fluorene-Arylamine Copolymers at Interfaces. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 1378-1384	3.8	110
183	Improving charge injection in organic thin-film transistors with thiol-based self-assembled monolayers. <i>Organic Electronics</i> , <b>2008</b> , 9, 419-424	3.5	107
182	Band alignment at organic-inorganic semiconductor interfaces: NPd and CuPc on InP(110). <i>Journal of Applied Physics</i> , <b>1999</b> , 85, 6589-6592	2.5	107
181	The Influence of Steps on the Orientation of Copper Phthalocyanine Monolayers on Au(111). <i>Langmuir</i> , <b>2000</b> , 16, 4358-4361	4	105
180	Electronic structure, diffusion, and p-doping at the Au/F16CuPc interface. <i>Journal of Applied Physics</i> , <b>2001</b> , 90, 4549-4554	2.5	103
179	Electronic structure of Si(111)-bound alkyl monolayers: Theory and experiment. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	102
178	Gap states in pentacene thin film induced by inert gas exposure. <i>Physical Review Letters</i> , <b>2013</b> , 110, 267602	0.2	101

177	Energy-level alignment at interfaces between metals and the organic semiconductor 4,4'-N,N'-dicarbazolyl-biphenyl. <i>Journal of Applied Physics</i> , <b>1998</b> , 84, 3236-3241	2.5	101
176	Photoinduced Hole Transfer Becomes Suppressed with Diminished Driving Force in Polymer-Fullerene Solar Cells While Electron Transfer Remains Active. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 1238-1249	15.6	100
175	Titanium dioxide/silicon hole-blocking selective contact to enable double-heterojunction crystalline silicon-based solar cell. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 123906	3.4	98
174	Modification of gold source and drain electrodes by self-assembled monolayer in staggered n- and p-channel organic thin film transistors. <i>Organic Electronics</i> , <b>2010</b> , 11, 227-237	3.5	96
173	Electronic states and effective negative electron affinity at cesiated p-GaN surfaces. <i>Journal of Applied Physics</i> , <b>1999</b> , 86, 3209-3212	2.5	95
172	The origin of low water vapor transmission rates through Al <sub>2</sub> O <sub>3</sub> /ZrO <sub>2</sub> nanolaminate gas-diffusion barriers grown by atomic layer deposition. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 243308	3.4	94
171	Organic molecular films on gold versus conducting polymer: Influence of injection barrier height and morphology on current-voltage characteristics. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 2281-2283	3.4	91
170	Revisiting the Valence and Conduction Band Size Dependence of PbS Quantum Dot Thin Films. <i>ACS Nano</i> , <b>2016</b> , 10, 3302-11	16.7	89
169	Phosphine Oxide Derivatives as Hosts for Blue Phosphors: A Joint Theoretical and Experimental Study of Their Electronic Structure. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 247-254	9.6	89
168	Decamethylcobaltocene as an efficient n-dopant in organic electronic materials and devices. <i>Organic Electronics</i> , <b>2008</b> , 9, 575-581	3.5	89
167	Stability of inverted organic solar cells with ZnO contact layers deposited from precursor solutions. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 592-601	35.4	88
166	N-type doping of an electron-transport material by controlled gas-phase incorporation of cobaltocene. <i>Chemical Physics Letters</i> , <b>2006</b> , 431, 67-71	2.5	86
165	Air-Exposure-Induced Gas-Molecule Incorporation into Spiro-MeOTAD Films. <i>Journal of Physical Chemistry Letters</i> , <b>2014</b> , 5, 1374-9	6.4	81
164	Use of a high electron-affinity molybdenum dithiolene complex to p-dope hole-transport layers. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 12530-1	16.4	81
163	Correlation between interface energetics and open circuit voltage in organic photovoltaic cells. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 233301	3.4	81
162	Interfacial charge-transfer doping of metal halide perovskites for high performance photovoltaics. <i>Energy and Environmental Science</i> , <b>2019</b> , 12, 3063-3073	35.4	77
161	Doping-induced realignment of molecular levels at organic-organic heterojunctions. <i>Chemical Physics</i> , <b>2006</b> , 325, 129-137	2.3	77
160	Solution doping of organic semiconductors using air-stable n-dopants. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 083305	3.4	76

159	Effect of electrical doping on molecular level alignment at organic/organic heterojunctions. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 4815-4817	3.4	76
158	The role of interface states in controlling the electronic structure of Alq3/reactive metal contacts. <i>Organic Electronics</i> , <b>2001</b> , 2, 89-95	3.5	75
157	Electronic structure of the CsPbBr <sub>3</sub> /polytriarylamine (PTAA) system. <i>Journal of Applied Physics</i> , <b>2017</b> , 121, 035304	2.5	74
156	Synthesis, ionisation potentials and electron affinities of hexaazatrinaphthylene derivatives. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 3537-47	4.8	74
155	Transparent stacked organic light emitting devices. I. Design principles and transparent compound electrodes. <i>Journal of Applied Physics</i> , <b>1999</b> , 86, 4067-4075	2.5	73
154	Device Characteristics of Bulk-Heterojunction Polymer Solar Cells are Independent of Interfacial Segregation of Active Layers. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 2020-2023	9.6	71
153	Enhanced Charge-Carrier Injection and Collection Via Lamination of Doped Polymer Layers p-Doped with a Solution-Processible Molybdenum Complex. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 2197-2204	15.6	70
152	Band lineup at an organic-inorganic semiconductor heterointerface: perylenetetracarboxylic dianhydride/GaAs(100). <i>Applied Physics Letters</i> , <b>1994</b> , 64, 3482-3484	3.4	69
151	ZnSe and Se/GaAs interfaces. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>1985</b> , 3, 922-925	2.9	68
150	Energy level and band alignment for GaAs-alkylthiol monolayer-Hg junctions from electrical transport and photoemission experiments. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 14363-71	3.4	66
149	Chemically Controlled Reversible and Irreversible Extraction Barriers Via Stable Interface Modification of Zinc Oxide Electron Collection Layer in Polycarbazole-based Organic Solar Cells. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 4671-4680	15.6	64
148	Electrical doping: the impact on interfaces of $\pi$ -conjugated molecular films. <i>Journal of Physics Condensed Matter</i> , <b>2003</b> , 15, S2757-S2770	1.8	62
147	Electronic states at aluminum nitride (0001)-1 $\times$ 1 surfaces. <i>Applied Physics Letters</i> , <b>1999</b> , 74, 546-548	3.4	61
146	A Molybdenum Dithiolene Complex as p-Dopant for Hole-Transport Materials: A Multitechnique Experimental and Theoretical Investigation. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 524-531	9.6	60
145	Organometallic Chemistry at the Magnesium-Tris(8-hydroxyquinolino)aluminum Interface. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 5391-5392	16.4	60
144	Low-Temperature Synthesis of a TiO <sub>2</sub> /Si Heterojunction. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 14842-5	16.4	59
143	NiOX/MoO <sub>3</sub> Bi-Layers as Efficient Hole Extraction Contacts in Organic Solar Cells. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 701-706	15.6	59
142	What Limits the Open-Circuit Voltage of Bromide Perovskite-Based Solar Cells?. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 1-7	20.1	58

141	Molecular-Level Offset at the PTCDA/Alq3 Heterojunction. <i>Advanced Materials</i> , <b>1998</b> , 10, 140-144	24	56
140	Physisorption-like Interaction at the Interfaces Formed by Pentacene and Samarium. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 4192-4196	3-4	56
139	Charge transfer at n-doped organic-organic heterojunctions. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 12371-12375	11.5	53
138	Passivation of trap states in unpurified and purified C60 and the influence on organic field-effect transistor performance. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 253303	3-4	52
137	Hg/Molecular Monolayer/Si Junctions: Electrical Interplay between Monolayer Properties and Semiconductor Doping Density. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 10270-10279	3.8	51
136	Elucidating the Role of a Tetrafluoroborate-Based Ionic Liquid at the n-Type Oxide/Perovskite Interface. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 1903231	21.8	50
135	Dopant controlled trap-filling and conductivity enhancement in an electron-transport polymer. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 163301	3-4	49
134	Characterization of the Valence and Conduction Band Levels of n = 1 2D Perovskites: A Combined Experimental and Theoretical Investigation. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1703468	21.8	48
133	Charge transport across metal/molecular (alkyl) monolayer-Si junctions is dominated by the LUMO level. <i>Physical Review B</i> , <b>2012</b> , 85,	3-3	48
132	Determination of Energy Level Alignment within an Energy Cascade Organic Solar Cell. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 794-801	9.6	47
131	Tailoring Electron-Transfer Barriers for Zinc Oxide/C60 Fullerene Interfaces. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 7381-7389	15.6	47
130	Oriented Growth of Al <sub>2</sub> O <sub>3</sub> :ZnO Nanolaminates for Use as Electron-Selective Electrodes in Inverted Polymer Solar Cells. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 1531-1538	15.6	47
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