Michael C Petty

List of Publications by Year in Descending Order

326 papers	8,341 citations	45 h-index	73 g-index
340 ext. papers	8,751 ext. citations	4.2 avg, IF	5.71 L-index

#	Paper	IF	Citations
326	Towards Intelligently Designed Evolvable Processors.. *Evolutionary Computation*, **2022**, 1-23	4.3	1
325	Electrical behaviour and evolutionary computation in thin films of bovine brain microtubules. *Scientific Reports*, **2021**, 11, 10776	4.9	1
324	Enhanced lifetime of organic photovoltaic diodes achieved by blending with PMMA: Impact of morphology and Donor:Acceptor combination. *Solar Energy Materials and Solar Cells*, **2021**, 219, 110765	6.4	4
323	Organic electronic memory devices **2019**, 843-874		
322	Light-Emitting Transistors Based on Solution-Processed Heterostructures of Self-Organized Multiple-Quantum-Well Perovskite and Metal-Oxide Semiconductors. *Advanced Electronic Materials* , **2019**, 5, 1800985	6.4	14
321	Efficient and Stable Solution-Processed Organic Light-Emitting Transistors Using a High-k Dielectric. *ACS Photonics*, **2019**, 6, 3159-3165	6.3	9
320	Short Channel Effect of Solution-Processed ZnO Thin Film Transistors: Optimization for Photolithographic Process. *Nanoscience and Nanotechnology Letters*, **2018**, 10, 754-760	0.8	
319	Low-Voltage Solution-Processed Hybrid Light-Emitting Transistors. *ACS Applied Materials & Interfaces*, **2018**, 10, 18445-18449	9.5	18
318	Model for large-area monolayer coverage of polystyrene nanospheres by spin coating. *Scientific Reports*, **2017**, 7, 40888	4.9	22
317	Molecular Electronics. *Springer Handbooks*, **2017**, 1-1	1.3	1
316	Enhanced lifetime of organic photovoltaic diodes utilizing a ternary blend including an insulating polymer. *Solar Energy Materials and Solar Cells*, **2017**, 160, 101-106	6.4	21
315	Computing Based on Material Training: Application to Binary Classification Problems **2017**,		2
314	Evolution-in-materio: solving computational problems using carbon nanotube-polymer composites. *Soft Computing*, **2016**, 20, 3007-3022	3.5	12
313	Optimization of a Solution-Processed SiO2 Gate Insulator by Plasma Treatment for Zinc Oxide Thin Film Transistors. *ACS Applied Materials & Interfaces*, **2016**, 8, 2061-70	9.5	25
312	Data Classification Using Carbon-Nanotubes and Evolutionary Algorithms. *Lecture Notes in Computer Science*, **2016**, 644-654	0.9	5
311	Training a Carbon-Nanotube/Liquid Crystal Data Classifier Using Evolutionary Algorithms. *Lecture Notes in Computer Science*, **2016**, 130-141	0.9	3
310	Evolution of Electronic Circuits using Carbon Nanotube Composites. *Scientific Reports*, **2016**, 6, 32197	4.9	14

309	Alignment of liquid crystal/carbon nanotube dispersions for application in unconventional computing **2015**,		2
308	Exploring the alignment of carbon nanotubes dispersed in a liquid crystal matrix using coplanar electrodes. *Journal of Applied Physics*, **2015**, 117, 125303	2.5	20
307	Solution-processed SiO2 gate insulator formed at low temperature for zinc oxide thin-film transistors. *RSC Advances*, **2015**, 5, 36083-36087	3.7	12
306	Nanoscale resolution scanning thermal microscopy using carbon nanotube tipped thermal probes. *Physical Chemistry Chemical Physics*, **2014**, 16, 1174-81	3.6	17
305	Effects of hydrogen plasma treatment on the electrical behavior of solution-processed ZnO transistors. *Journal of Applied Physics*, **2014**, 116, 074509	2.5	9
304	UV-Assisted Low Temperature Oxide Dielectric Films for TFT Applications. *Advanced Materials Interfaces*, **2014**, 1, 1400206	4.6	38
303	Evolution-in-materio: A frequency classifier using materials **2014**,		8
302	Evolution-in-materio: Solving bin packing problems using materials **2014**,		9
301	Zinc Oxide Thin-Film Transistors Fabricated at Low Temperature by Chemical Spray Pyrolysis. *Journal of Electronic Materials*, **2014**, 43, 4241-4245	1.9	11
300	Switching and memory characteristics of thin films of an ambipolar organic compound: effects of device processing and electrode materials. *Journal Physics D: Applied Physics*, **2014**, 47, 485103	3	7
299	Evolution-In-Materio: Solving Machine Learning Classification Problems Using Materials. *Lecture Notes in Computer Science*, **2014**, 721-730	0.9	13
298	Synthesis of platinum complexes of fluorenyl-substituted porphyrins used as phosphorescent dyes for solution-processed organic light-emitting devices. *Tetrahedron*, **2013**, 69, 9625-9632	2.4	12
297	Focused ion beam and field-emission microscopy of metallic filaments in memory devices based on thin films of an ambipolar organic compound consisting of oxadiazole, carbazole, and fluorene units. *Applied Physics Letters*, **2013**, 102, 213301	3.4	20
296	Environmental effects on the electrical behavior of pentacene thin-film transistors with a poly(methyl methacrylate) gate insulator. *Organic Electronics*, **2013**, 14, 2101-2107	3.5	20
295	Organic electronic memory devices **2013**, 618-653		2
294	Photo-assisted molecular engineering in solution-processed organic thin-film transistors with a blended semiconductor for high mobility anisotropy. *Applied Physics Letters*, **2013**, 102, 013306	3.4	10
293	Control of droplet morphology for inkjet-printed TIPS-pentacene transistors. *Microelectronic Engineering*, **2012**, 95, 1-4	2.5	45
292	Improved memory behaviour of single-walled carbon nanotubes charge storage nodes. *Journal Physics D: Applied Physics*, **2012**, 45, 295401	3	17

291	Electroless deposition of multi-functional zinc oxide surfaces displaying photoconductive, superhydrophobic, photowetting, and antibacterial properties. *Journal of Materials Chemistry*, **2012**, 22, 3859		31
290	Colour tuning of blue electroluminescence using bipolar carbazole□xadiazole molecules in single-active-layer organic light emitting devices (OLEDs). *Journal of Materials Chemistry*, **2012**, 22, 11816		75
289	Electrical behavior of Langmuir-Blodgett networks of sorted metallic and semiconducting single-walled carbon nanotubes. *Langmuir*, **2012**, 28, 15385-91	4	11
288	Direct nanoscale imaging of ballistic and diffusive thermal transport in graphene nanostructures. *Nano Letters*, **2012**, 12, 2906-11	11.5	70
287	. *IEEE Sensors Journal*, **2012**, 12, 1181-1186	4	9
286	Organic bistable devices utilizing carbon nanotubes embedded in poly(methyl methacrylate). *Journal of Applied Physics*, **2012**, 112, 024509	2.5	36
285	Subthreshold characteristics of pentacene field-effect transistors influenced by grain boundaries. *Journal of Applied Physics*, **2012**, 111, 104512	2.5	9
284	A versatile nanopatterning technique based on controlled undercutting and liftoff. *Advanced Materials*, **2011**, 23, 5039-44	24	11
283	Efficient Deep-Blue Electroluminescence from an Ambipolar Fluorescent Emitter in a Single-Active-Layer Device. *Chemistry of Materials*, **2011**, 23, 1640-1642	9.6	107
282	The electrical and optical properties of oriented Langmuir-Blodgett films of single-walled carbon nanotubes. *Carbon*, **2011**, 49, 2424-2430	10.4	17
281	Enhanced sensitivity of an organic field-effect transistor pH sensor using a fatty acid Langmuir□lodgett film. *Organic Electronics*, **2010**, 11, 1792-1795	3.5	12
280	The morphology and electrical conductivity of single-wall carbon nanotube thin films prepared by the Langmuir□lodgett technique. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2010**, 354, 113-117	5.1	21
279	Stable white light emission from an externally modified organic light-emitting device. *Displays*, **2010**, 31, 181-185	3.4	1
278	Pentacene thin film transistors with a poly(methyl methacrylate) gate dielectric: Optimization of device performance. *Journal of Applied Physics*, **2009**, 105, 034508	2.5	78
277	A pentacene-based organic thin film memory transistor. *Applied Physics Letters*, **2009**, 94, 173302	3.4	61
276	Effect of dye concentrations in blended-layer white organic light-emitting devices based on phosphorescent dyes. *Journal of Applied Physics*, **2009**, 106, 064516	2.5	5
275	Bootstrapped inverter using a pentacene thin-film transistor with a poly(methyl methacrylate) gate dielectric. *IET Circuits, Devices and Systems*, **2009**, 3, 182-186	1.1	7
274	Memory effects in MIS structures based on silicon and polymethylmethacrylate with nanoparticle charge-storage elements. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2009**, 159-160, 14-17	3.1	13

273	A cross-linked poly(methyl methacrylate) gate dielectric by ion-beam irradiation for organic thin-film transistors. *Organic Electronics*, **2009**, 10, 1596-1600	3.5	12
272	Electrical conductivity of single-wall carbon nanotube film deposited by electrostatic layer-by-layer assembly with the aid of polyelectrolytes. *Carbon*, **2009**, 47, 475-481	10.4	11
271	The morphology, electrical conductivity and vapour sensing ability of inkjet-printed thin films of single-wall carbon nanotubes. *Carbon*, **2009**, 47, 752-757	10.4	39
270	Charge Storage in Pentacene/Polymethylmethacrylate Memory Devices. *IEEE Electron Device Letters*, **2009**, 30, 632-634	4.4	19
269	Poole□Frenkel conduction in single wall carbon nanotube composite films built up by electrostatic layer-by-layer deposition. *Journal of Applied Physics*, **2008**, 104, 094503	2.5	30
268	Performance enhancement of white-electrophosphorescent devices incorporating a mixed-transition layer. *Applied Physics Letters*, **2008**, 92, 123504	3.4	10
267	Fabrication and Characterisation of MIS Organic Memory Devices. *Advances in Science and Technology*, **2008**, 54, 474-479	0.1	1
266	Nanoparticles for Charge Storage Using Hybrid Organic Inorganic Devices. *Advances in Science and Technology*, **2008**, 54, 451-457	0.1	
265	White electrophosphorescent devices based on tricolour emissive layers. *Journal Physics D: Applied Physics*, **2008**, 41, 025104	3	7
264	Electrical behavior of memory devices based on fluorene-containing organic thin films. *Journal of Applied Physics*, **2008**, 104, 044510	2.5	29
263	Memory effects in hybrid silicon-metallic nanoparticle-organic thin film structures. *Organic Electronics*, **2008**, 9, 816-820	3.5	34
262	White organic light-emitting devices incorporating nanoparticles of II□VI semiconductors. *Nanotechnology*, **2007**, 18, 335202	3.4	28
261	**2007**,		56
260	Effect of the thickness of Zn(BTZ)2 emitting layer on the electroluminescent spectra of white organic light-emitting diodes. *Journal of Luminescence*, **2007**, 122-123, 717-719	3.8	11
259	Free-standing polymer cantilevers and bridges reinforced with carbon nanotubes. *Micro and Nano Letters*, **2007**, 2, 54	0.9	2
258	Effect of Sodium Bromide Salt on the Buildup of Consecutive MWCNTs Film by Electrostatic Self-Assembly. *Journal of the Electrochemical Society*, **2007**, 154, K68	3.9	4
257	Passband filters for terahertz radiation based on dual metallic photonic structures. *Applied Physics Letters*, **2007**, 91, 161115	3.4	33
256	Artificial plasmonic materials for THz applications **2007**,		1

255	Blue organic light emitting devices with improved colour purity and efficiency through blending of poly(9,9-dioctyl-2,7-fluorene) with an electron transporting material. *Journal of Materials Chemistry*, **2007**, 17, 2996		41
254	Electronic memory device based on a single-layer fluorene-containing organic thin film. *Applied Physics Letters*, **2007**, 91, 123506	3.4	39
253	Metal nano-floating gate memory devices fabricated at low temperature. *Microelectronic Engineering*, **2006**, 83, 1563-1566	2.5	18
252	Single emitting layer white organic light-emitting device with high color stability to applied voltage. *Displays*, **2006**, 27, 187-190	3.4	7
251	Quality control of dairy products using single frequency admittance measurements. *Measurement Science and Technology*, **2006**, 17, 275-280	2	16
250	Electrical investigations of layer-by-layer films of carbon nanotubes. *Journal Physics D: Applied Physics*, **2006**, 39, 3077-3085	3	32
249	Pure RGB Emissions Based on a White OLED Combined with Optical Colour Filters. *Chinese Physics Letters*, **2006**, 23, 1012-1014	1.8	5
248	Inkjet-Printed Polymer Films for the Detection of Organic Vapors. *IEEE Sensors Journal*, **2006**, 6, 1435-1444		45
247	New electroluminescent bipolar compounds for balanced charge-transport and tuneable colour in organic light emitting diodes: triphenylamine–oxadiazole–fluorene triad molecules. *Journal of Materials Chemistry*, **2006**, 16, 3823-3835		119
246	Solubilization of polyelectrolytic hairy-rod polyfluorene in aqueous solutions of nonionic surfactant. *Journal of Physical Chemistry B*, **2006**, 110, 10248-57	3.4	56
245	Molecular rectifier consisting of cytochrome c/GFP heterolayer by using metal coated optical fiber tip. *Current Applied Physics*, **2006**, 6, 839-843	2.6	8
244	Inkjet-printed polypyrrole thin films for vapour sensing. *Sensors and Actuators B: Chemical*, **2006**, 115, 547-551	8.5	102
243	Molecular Electronics **2006**, 1219-1239		2
242	Surface plasmon resonance detection of metal ions: layer-by-layer assembly of polyelectrolyte sensing layers on a multichannel chip. *IEEE Sensors Journal*, **2005**, 5, 1159-1164	4	7
241	Enhanced electron injection and efficiency in blended-layer organic light emitting diodes with aluminium cathodes: new 2,5-diaryl-1,3,4-oxadiazole–fluorene hybrids incorporating pyridine units. *Journal of Materials Chemistry*, **2005**, 15, 5164		25
240	New 2,5-diaryl-1,3,4-oxadiazole–fluorene hybrids as electron transporting materials for blended-layer organic light emitting diodes. *Journal of Materials Chemistry*, **2005**, 15, 194-203		68
239	Thermal annealing of blended-layer organic light-emitting diodes. *Journal of Applied Physics*, **2005**, 98, 054508	2.5	26
238	An inkjet-printed chemical fuse. *Journal of Physics: Conference Series*, **2005**, 15, 39-44	0.3	4

237	The structure and properties of hybrid fluorous-hydrocarbon fatty acids. *Journal of Fluorine Chemistry*, **2005**, 126, 671-680	2.1	5
236	Nanoscale patterning of gold nanoparticles using an atomic force microscope. *Materials Science and Engineering C*, **2005**, 25, 33-38	8.3	14
235	Influence of Molecular Weight on the Surface Morphology of Aligned, Branched Side-Chain Polyfluorene. *Advanced Functional Materials*, **2005**, 15, 1517-1522	15.6	34
234	Atomic force microscope characterization of poly(ethyleneimine)/poly(ethylene-co-maleic acid) and poly(ethyleneimine)/poly(styrene sulfonate) multilayers. *Thin Solid Films*, **2005**, 483, 114-121	2.2	17
233	Layer-by-Layer Thin Films of Carbon Nanotubes. *Materials Research Society Symposia Proceedings*, **2005**, 901, 1		
232	An inkjet-printed chemical fuse. *Applied Physics Letters*, **2005**, 86, 013507	3.4	41
231	Field effect devices with metal nanoparticles integrated by Langmuir–Blodgett technique for non-volatile memory applications. *Journal of Physics: Conference Series*, **2005**, 10, 57-60	0.3	5
230	Organic light-emitting diodes based on a blend of poly[2-(2-ethylhexyloxy)-5-methoxy-1,4-phenylenevinylene] and an electron transporting material. *Applied Physics Letters*, **2004**, 85, 1283-1285	3.4	38
229	Polyaniline films deposited by anodic polymerization: Properties and applications to chemical sensing. *Journal of Materials Science: Materials in Electronics*, **2003**, 14, 389-392	2.1	10
228	Arborol-Functionalised Tetrathiafulvalene Derivatives: Synthesis and Thin-Film Formation. *European Journal of Organic Chemistry*, **2003**, 2003, 3562-3568	3.2	25
227	A covalent tetrathiafulvalene-tetracyanoquinodimethane diad: extremely low HOMO-LUMO gap, thermoexcited electron transfer, and high-quality langmuir-blodgett films. *Angewandte Chemie - International Edition*, **2003**, 42, 4636-9	16.4	91
226	Effect of composition on the electrical conductance of milk. *Journal of Food Engineering*, **2003**, 60, 321-325		72
225	A single chip multi-channel surface plasmon resonance imaging system. *Sensors and Actuators B: Chemical*, **2003**, 90, 264-270	8.5	22
224	A novel technique for the detection of added water to full fat milk using single frequency admittance measurements. *Sensors and Actuators B: Chemical*, **2003**, 96, 215-218	8.5	54
223	Surface plasmon resonance sensing of liquids using polyelectrolyte thin films. *Sensors and Actuators B: Chemical*, **2003**, 91, 291-297	8.5	11
222	Langmuir–Blodgett Film Deposition of Metallic Nanoparticles and Their Application to Electronic Memory Structures. *Nano Letters*, **2003**, 3, 533-536	11.5	247
221	Deposition of Functionalised Gold Nanoparticles by the Layer-by-Layer Electrostatic Technique. *Materials Research Society Symposia Proceedings*, **2003**, 789, 359		
220	Hybrid silicon–organic nanoparticle memory device. *Journal of Applied Physics*, **2003**, 94, 5234	2.5	91

219	A blended layer MEH-PPV electroluminiscent device incorporating a new electron transport material. *Materials Science and Engineering C*, **2002**, 22, 87-89	8.3	8
218	Single layer polymer electroluminescent devices incorporating new electron transport materials. *Thin Solid Films*, **2002**, 408, 275-281	2.2	12
217	Application of electrical admittance measurements to the quality control of milk. *Sensors and Actuators B: Chemical*, **2002**, 84, 136-141	8.5	33
216	The fluorine gauche effect. Langmuir isotherms report the relative conformational stability of (+/-)-erythro- and (+/-)-threo-9,10-difluorostearic acids. *Chemical Communications*, **2002**, 1226-7	5.8	51
215	New electron-transporting materials for light emitting diodes: 1,3,4-oxadiazole□pyridine and 1,3,4-oxadiazole□pyrimidine hybrids. *Journal of Materials Chemistry*, **2002**, 12, 173-180		108
214	The Use of LB Insulating Layers to Improve the Efficiency of Light Emitting Diodes Based on Evaporated Molecular Films. *Studies in Interface Science*, **2001**, 11, 175-183		1
213	Electroluminescent devices incorporating a new oxadiazole derivative **2001**, 4105, 307		
212	Lifetime studies of light-emitting diode structures incorporating polymeric Langmuir□Blodgett films. *Materials Science and Engineering C*, **2001**, 14, 1-10	8.3	13
211	Electrochemical recognition properties of 13- and 16-membered azo- and azoxycrowns in solution. *Journal of Electroanalytical Chemistry*, **2001**, 509, 42-47	4.1	6
210	A Conductimetric pH Sensor based on a Polypyrrole Lb Film. *Studies in Interface Science*, **2001**, 11, 371-381		
209	Metal ion sensing using ultrathin organic films prepared by the layer-by-layer adsorption technique. *Journal Physics D: Applied Physics*, **2001**, 34, 285-291	3	17
208	An Efficient Pyridine- and Oxadiazole-Containing Hole-Blocking Material for Organic Light-Emitting Diodes: Synthesis, Crystal Structure, and Device Performance. *Chemistry of Materials*, **2001**, 13, 1167-1173	9.6	139
207	Synthesis and properties of self organising semiconducting and luminescent polymers and model compounds. *Macromolecular Symposia*, **2001**, 175, 151-158	0.8	6
206	Application of impedance spectroscopy to the study of organic multilayer devices. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2000**, 171, 159-166	5.1	16
205	The effect of insulating spacer layers on the electrical properties of polymeric Langmuir-Blodgett film light emitting devices. *Journal Physics D: Applied Physics*, **2000**, 33, 1029-1035	3	20
204	New crown annelated tetrathiafulvalenes: synthesis, electrochemistry, self-assembly of thiol derivatives, and metal cation recognition. *Journal of Organic Chemistry*, **2000**, 65, 8269-76	4.2	49
203	Dual-layer light emitting devices based on polymeric Langmuir□Blodgett films. *Journal of Materials Chemistry*, **2000**, 10, 163-167		15
202	Novel fulleropyrrolidinium-based materials. *Journal of Materials Chemistry*, **2000**, 10, 269-273		21

201	Sensitivity of the electrical admittance of a polysiloxane film to organic vapours. *Sensors and Actuators B: Chemical*, **1999**, 56, 37-44	8.5	27
200	Organic vapour sensing using thin films of a co-ordination polymer: comparison of electrical and optical techniques. *Sensors and Actuators B: Chemical*, **1999**, 57, 28-34	8.5	38
199	4-Ethoxycarbonyl-4?,5,5?-trimethyltetrathiafulvalene and its radical cation: LangmuirBlodgett film studies, EPR spectra and the X-ray crystal structure of (Me3TTF-CO2Et)2TCNQ complex. *Journal of Materials Chemistry*, **1999**, 9, 2973-2978		8
198	Chemosensor devices: voltammetric molecular recognition at solid interfaces. *Journal of Materials Chemistry*, **1999**, 9, 1957-1974		118
197	Light emission from electroluminescent LangmuirBlodgett films of a polyester derived from oligothiophene. *Thin Solid Films*, **1998**, 327-329, 715-717	2.2	6
196	Optical sensing of aromatic hydrocarbons using LangmuirBlodgett films of a Schiff base co-ordination polymer. *Thin Solid Films*, **1998**, 327-329, 726-729	2.2	16
195	Cation Recognition by Self-Assembled Layers of Novel Crown-Annelated Tetrathiafulvalenes. *Advanced Materials*, **1998**, 10, 395-398	24	66
194	Structural and optical properties of LangmuirBlodgett films of a Schiff base coordination polymer: A material for hydrocarbon vapor sensing. *Acta Polymerica*, **1998**, 49, 294-300		10
193	Electrochemical properties of LangmuirBlodgett films of polyesters derived from oligothiophenes. *Journal of Electroanalytical Chemistry*, **1998**, 443, 266-272	4.1	3
192	Electrochemical molecular recognition by thin films of ether-substituted polythiophenes. *Journal of Electroanalytical Chemistry*, **1998**, 447, 1-3	4.1	12
191	Synthesis and langmuir isotherms of difluorostearic acids. *Journal of Fluorine Chemistry*, **1998**, 90, 133-138	1.1	6
190	Deposition and characterisation of LangmuirBlodgett films of an azo-modified polypeptide:azobenzene-containing poly-l-lysine. *Thin Solid Films*, **1998**, 335, 197-202	2.2	6
189	Evaporated thin films of tetrathiafulvalene derivatives and their charge-transfer complexes. *Thin Solid Films*, **1998**, 335, 209-213	2.2	9
188	Langmuir-blodgett films of amphiphilic cyanovinyl ferrocene derivatives and their electrochemical behaviour. *Materials Science and Engineering C*, **1998**, 5, 281-284	8.3	4
187	Photo- and electroluminescence of poly(2-methoxy,5-(2?-ethylhexyloxy)-p-phenylene vinylene) Langmuir-Blodgett films. *Synthetic Metals*, **1998**, 94, 285-289	3.6	42
186	The preparation and characterisation of LangmuirBlodgett films of the metal dithiolate charge-transfer complex N-octadecylpyridiumPd(dmit)2. *Journal of Materials Chemistry*, **1998**, 8, 387-396		6
185	Photoinduced Electron Transfer between 16-(9-Anthroyloxy)palmitic Acid and Fullerene C60 in LangmuirBlodgett Films. *Langmuir*, **1998**, 14, 3343-3346	4	21
184	Electro- and Photochemistry of 13-Membered Azocrowns in Solution and as LangmuirBlodgett Films. *Langmuir*, **1998**, 14, 1236-1241	4	29

183	The electrical behaviour of multilayer polypyrrole films. *Journal Physics D: Applied Physics*, **1998**, 31, 1504-1510	3	5
182	The effect of organic vapours on the permittivity of a co-ordination polymer Langmuir-Blodgett film. *Journal Physics D: Applied Physics*, **1998**, 31, 3146-3153	3	9
181	An electrical impedance study of Langmuir - Blodgett films containing a tetrabutylammonium Ni(dmit) complex. *Journal Physics D: Applied Physics*, **1997**, 30, 2928-2931	3	4
180	LangmuirBlodgett films of a tetrathiafulvalene derivative substituted with an azobenzene group. *Journal of Materials Chemistry*, **1997**, 7, 2033-2037		7
179	Semiconducting LangmuirBlodgett films ofethylenedithiotetrathiafulvalene (EDTTTF) derivatives bearingcharged and uncharged aromatic substituents. *Journal of Materials Chemistry*, **1997**, 7, 901-907		27
178	Synthesis, Characterization, and Processing of New Electroactive and Photoactive Polyesters Derived from Oligothiophenes. *Chemistry of Materials*, **1997**, 9, 2815-2821	9.6	59
177	Percolation conductivity in Langmuir-Blodgett multilayer films containing a long-chain TTF derivative. *Supramolecular Science*, **1997**, 4, 443-447		2
176	A polyaniline/sllicon hybrid field effect transistor humidity sensor. *Synthetic Metals*, **1997**, 85, 1365-1366	3.6	22
175	Structural and electrical studies on nickel(dmit)2 complexes. *Synthetic Metals*, **1997**, 86, 1839-1840	3.6	2
174	An optical gas sensor based on polyaniline Langmuir-Blodgett films. *Sensors and Actuators B: Chemical*, **1997**, 41, 137-141	8.5	82
173	Electrical characteristics of a polyaniline/silicon hybrid field-effect transistor gas sensor. *IET Circuits, Devices and Systems*, **1997**, 144, 111		8
172	Skeletonization of mixed arachidic acid/cadmium arachidate LB films: A study using atomic force microscopy. *Advanced Materials*, **1997**, 9, 58-61	24	5
171	Processing-induced chromism in thin films of polythiophene derivatives. *Macromolecular Rapid Communications*, **1997**, 18, 733-737	4.8	6
170	Quenching of pyrene fluorescence by fullerene C60 in LangmuirBlodgett films. *Chemical Physics Letters*, **1997**, 280, 315-320	2.5	23
169	Admittance spectroscopy of Langmuir - Blodgett films on metal electrodes in aqueous solutions. *Journal Physics D: Applied Physics*, **1996**, 29, 179-184	3	4
168	Molecular electronics: prospects for instrumentation and measurement science. *Measurement Science and Technology*, **1996**, 7, 725-735	2	9
167	Structural Properties of Oligomeric LangmuirBlodgett Films for Second-Order Nonlinear Optics. *Langmuir*, **1996**, 12, 2292-2297	4	4
166	Optical and Electrochemical Properties of Metallophthalocyanine Derivative LangmuirBlodgett Films. *Langmuir*, **1996**, 12, 472-476	4	44

165	Preparation and characterisation of conductive Langmuir–Blodgett films of a tetrabutylammonium–Ni(dmit)2 complex. *Journal of Materials Chemistry*, **1996**, 6, 699-704		11
164	Crown-annelated tetrathiafulvalenes: synthesis of new functionalised derivatives and spectroscopic and electrochemical studies of metal complexation. *Journal of the Chemical Society Perkin Transactions II*, **1996**, 1587-1593		24
163	Surface plasmon resonance of self-assembled phthalocyanine monolayers: possibilities for optical gas sensing. *Analyst, The*, **1996**, 121, 1501	5	36
162	Variation in Intermolecular Spacing with Dipping Pressure for Arachidic Acid LB Films. *The Journal of Physical Chemistry*, **1996**, 100, 11672-11674		20
161	Monolayer materials **1996**, 65-93		3
160	A hybrid phthalocyanine/silicon field-effect transistor sensor for NO2. *Thin Solid Films*, **1996**, 284-285, 94-97	2.2	27
159	Toluene vapour sensing using copper and nickel phthalocyanine Langmuir-Blodgett films. *Thin Solid Films*, **1996**, 284-285, 98-101	2.2	38
158	Application of electrochemical techniques to the study of Langmuir-Blodgett films of N-octadecylpyridinium-Ni(dmit)2. *Thin Solid Films*, **1996**, 284-285, 512-515	2.2	3
157	A comparison of tetrathiafulvalene thin films prepared by thermal evaporation and the Langmuir-Blodgett technique. *Thin Solid Films*, **1996**, 284-285, 516-519	2.2	3
156	Pyrene excimer formation in Langmuir-Blodgett films. *Thin Solid Films*, **1996**, 284-285, 622-626	2.2	19
155	Ion-sensitive Langmuir-Blodgett films of a chromoionophore. *Thin Solid Films*, **1996**, 284-285, 683-686	2.2	8
154	Langmuir monolayers and Langmuir–Blodgett multilayers containing macrocyclic ionophores. *Advanced Materials*, **1996**, 8, 615-630	24	60
153	Langmuir-Blodgett deposition and second-order non-linear optics of several azobenzene dye polymers. *Advanced Materials for Optics and Electronics*, **1996**, 6, 33-38		13
152	A new approach to one-way electron transfer using multiredox centres organised in Langmuir-Blodgett films. *Journal of Electroanalytical Chemistry*, **1996**, 408, 173-179	4.1	5
151	Langmuir-Blodgett Films: An Introduction **1996**,		598
150	Gas sensing using a charge-flow transistor. *Sensors and Actuators B: Chemical*, **1995**, 25, 451-453	8.5	20
149	Electrically conductive Langmuir–Blodgett films of charge-transfer materials. *Nature*, **1995**, 374, 771-776	50.4	122
148	Anomalous distance dependence of fluorescence lifetime quenched by a semiconductor. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **1995**, 200, 61-64	2.3	18

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