

Michael C Petty

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#	Paper	IF	Citations
326	Langmuir-Blodgett Films: An Introduction 1996 ,		598
325	Langmuir-Blodgett Film Deposition of Metallic Nanoparticles and Their Application to Electronic Memory Structures. <i>Nano Letters</i> , 2003 , 3, 533-536	11.5	247
324	Polyaniline thin films for gas sensing. <i>Sensors and Actuators B: Chemical</i> , 1995 , 28, 173-179	8.5	227
323	The preparation and properties of stable metal-free phthalocyanine Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1983 , 99, 53-59	2.2	178
322	An Efficient Pyridine- and Oxadiazole-Containing Hole-Blocking Material for Organic Light-Emitting Diodes: Synthesis, Crystal Structure, and Device Performance. <i>Chemistry of Materials</i> , 2001 , 13, 1167-1173	9.6	139
321	Second-harmonic generation in mixed hemicyanine: fatty-acid Langmuir-Blodgett monolayers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1987 , 4, 950	1.7	124
320	Electrically conductive Langmuir-Blodgett films of charge-transfer materials. <i>Nature</i> , 1995 , 374, 771-776	50.4	122
319	New electroluminescent bipolar compounds for balanced charge-transport and tuneable colour in organic light emitting diodes: triphenylamine-oxadiazole-fluorene triad molecules. <i>Journal of Materials Chemistry</i> , 2006 , 16, 3823-3835		119
318	Chemosensor devices: voltammetric molecular recognition at solid interfaces. <i>Journal of Materials Chemistry</i> , 1999 , 9, 1957-1974		118
317	New electron-transporting materials for light emitting diodes: 1,3,4-oxadiazole-pyridine and 1,3,4-oxadiazole-pyrimidine hybrids. <i>Journal of Materials Chemistry</i> , 2002 , 12, 173-180		108
316	Efficient Deep-Blue Electroluminescence from an Ambipolar Fluorescent Emitter in a Single-Active-Layer Device. <i>Chemistry of Materials</i> , 2011 , 23, 1640-1642	9.6	107
315	Inkjet-printed polypyrrole thin films for vapour sensing. <i>Sensors and Actuators B: Chemical</i> , 2006 , 115, 547-551	8.5	102
314	Electronic devices incorporating stable phthalocyanine Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1985 , 132, 113-123	2.2	94
313	A covalent tetrathiafulvalene-tetracyanoquinodimethane diad: extremely low HOMO-LUMO gap, thermoexcited electron transfer, and high-quality langmuir-blodgett films. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 4636-9	16.4	91
312	Hybrid silicon-organic nanoparticle memory device. <i>Journal of Applied Physics</i> , 2003 , 94, 5234	2.5	91
311	Possible applications for Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1992 , 210-211, 417-426	2.2	90
310	Vapour recognition using organic films and artificial neural networks. <i>Sensors and Actuators B: Chemical</i> , 1994 , 17, 143-147	8.5	83

309	An optical gas sensor based on polyaniline Langmuir-Blodgett films. <i>Sensors and Actuators B: Chemical</i> , 1997 , 41, 137-141	8.5	82
308	Second harmonic generation from LB superlattices containing two active components. <i>Electronics Letters</i> , 1986 , 22, 460	1.1	82
307	Pentacene thin film transistors with a poly(methyl methacrylate) gate dielectric: Optimization of device performance. <i>Journal of Applied Physics</i> , 2009 , 105, 034508	2.5	78
306	Colour tuning of blue electroluminescence using bipolar carbazole-oxadiazole molecules in single-active-layer organic light emitting devices (OLEDs). <i>Journal of Materials Chemistry</i> , 2012 , 22, 11816		75
305	Effect of composition on the electrical conductance of milk. <i>Journal of Food Engineering</i> , 2003 , 60, 321-325		72
304	Direct nanoscale imaging of ballistic and diffusive thermal transport in graphene nanostructures. <i>Nano Letters</i> , 2012 , 12, 2906-11	11.5	70
303	A Comparative Study of the Electrochemical Properties of Dip-Coated, Spun, and Langmuir-Blodgett Films of Polyaniline. <i>Journal of the Electrochemical Society</i> , 1994 , 141, 1573-1576	3.9	69
302	New 2,5-diaryl-1,3,4-oxadiazole-fluorene hybrids as electron transporting materials for blended-layer organic light emitting diodes. <i>Journal of Materials Chemistry</i> , 2005 , 15, 194-203		68
301	Cation Recognition by Self-Assembled Layers of Novel Crown-Annulated Tetrathiafulvalenes. <i>Advanced Materials</i> , 1998 , 10, 395-398	24	66
300	Langmuir-Blodgett films of C60. <i>Thin Solid Films</i> , 1992 , 209, 150-152	2.2	65
299	A pentacene-based organic thin film memory transistor. <i>Applied Physics Letters</i> , 2009 , 94, 173302	3.4	61
298	Langmuir monolayers and Langmuir-Blodgett multilayers containing macrocyclic ionophores. <i>Advanced Materials</i> , 1996 , 8, 615-630	24	60
297	Synthesis, Characterization, and Processing of New Electroactive and Photoactive Polyesters Derived from Oligothiophenes. <i>Chemistry of Materials</i> , 1997 , 9, 2815-2821	9.6	59
296	Surface plasmon resonance studies of gas effects in phthalocyanine Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1988 , 160, 431-443	2.2	59
295	An optical sensor for nitrogen dioxide based on a copper phthalocyanine Langmuir-Blodgett film. <i>Sensors and Actuators B: Chemical</i> , 1990 , 2, 265-269	8.5	58
294	2007 ,		56
293	Solubilization of polyelectrolytic hairy-rod polyfluorene in aqueous solutions of nonionic surfactant. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 10248-57	3.4	56
292	A novel technique for the detection of added water to full fat milk using single frequency admittance measurements. <i>Sensors and Actuators B: Chemical</i> , 2003 , 96, 215-218	8.5	54

291	Monolayer films of a substituted silicon phthalocyanine. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1986 , 53, 105-113		54
290	The fluorine gauche effect. Langmuir isotherms report the relative conformational stability of (+/-)-erythro- and (+/-)-threo-9,10-difluorostearic acids. <i>Chemical Communications</i> , 2002 , 1226-7	5.8	51
289	Fourier transform infrared studies of molecular ordering and interactions in Langmuir-Blodgett films containing nitrostilbene and stearic acid. <i>Langmuir</i> , 1992 , 8, 257-261	4	50
288	New crown annelated tetrathiafulvalenes: synthesis, electrochemistry, self-assembly of thiol derivatives, and metal cation recognition. <i>Journal of Organic Chemistry</i> , 2000 , 65, 8269-76	4.2	49
287	Spontaneous polarization in organic superlattices. <i>Applied Physics Letters</i> , 1986 , 48, 1101-1103	3.4	49
286	A highly conducting tetrathiafulvalene Langmuir-Blodgett film. <i>Thin Solid Films</i> , 1988 , 165, L97-L100	2.2	49
285	A Langmuir trough for the production of organic superlattices. <i>Thin Solid Films</i> , 1985 , 134, 83-88	2.2	48
284	The fluorescence of perylene-doped Langmuir-Blodgett films. <i>Chemical Physics Letters</i> , 1990 , 173, 425-429	5	47
283	Control of droplet morphology for inkjet-printed TIPS-pentacene transistors. <i>Microelectronic Engineering</i> , 2012 , 95, 1-4	2.5	45
282	Inkjet-Printed Polymer Films for the Detection of Organic Vapors. <i>IEEE Sensors Journal</i> , 2006 , 6, 1435-1444		45
281	Optical and Electrochemical Properties of Metallophthalocyanine Derivative Langmuir-Blodgett Films. <i>Langmuir</i> , 1996 , 12, 472-476	4	44
280	An infrared study of the incorporation of ion channel forming peptides into Langmuir-Blodgett films of phosphatidic acid. <i>Langmuir</i> , 1992 , 8, 3043-3050	4	44
279	On the formation of Langmuir-Blodgett films containing enzymes. <i>Thin Solid Films</i> , 1989 , 176, 151-156	2.2	43
278	Infrared studies of valinomycin-containing Langmuir-Blodgett films. <i>Langmuir</i> , 1989 , 5, 330-332	4	43
277	Photo- and electroluminescence of poly(2-methoxy,5-(2-ethylhexyloxy)-p-phenylene vinylene) Langmuir-Blodgett films. <i>Synthetic Metals</i> , 1998 , 94, 285-289	3.6	42
276	Langmuir-blodgett films of polyaniline. <i>Synthetic Metals</i> , 1993 , 57, 3789-3794	3.6	42
275	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. <i>Journal of Materials Chemistry</i> , 2007 , 17, 2996		41
274	An inkjet-printed chemical fuse. <i>Applied Physics Letters</i> , 2005 , 86, 013507	3.4	41

273	The morphology, electrical conductivity and vapour sensing ability of inkjet-printed thin films of single-wall carbon nanotubes. <i>Carbon</i> , 2009 , 47, 752-757	10.4	39
272	Electronic memory device based on a single-layer fluorene-containing organic thin film. <i>Applied Physics Letters</i> , 2007 , 91, 123506	3.4	39
271	IR studies of pyroelectric Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1987 , 155, 187-195	2.2	39
270	UV-Assisted Low Temperature Oxide Dielectric Films for TFT Applications. <i>Advanced Materials Interfaces</i> , 2014 , 1, 1400206	4.6	38
269	Organic light-emitting diodes based on a blend of poly[2-(2-ethylhexyloxy)-5-methoxy-1,4-phenylenevinylene] and an electron transporting material. <i>Applied Physics Letters</i> , 2004 , 85, 1283-1285	3.4	38
268	Organic vapour sensing using thin films of a co-ordination polymer: comparison of electrical and optical techniques. <i>Sensors and Actuators B: Chemical</i> , 1999 , 57, 28-34	8.5	38
267	Toluene vapour sensing using copper and nickel phthalocyanine Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1996 , 284-285, 98-101	2.2	38
266	Synthesis of Monofunctionalized Tetrathiafulvalene (TTF) Derivatives by Reactions of Tetrathiafulvalenyllithium with Electrophiles: X-ray Crystal Structures of Four TTF Derivatives Bearing Amide, Thioamide, and Thioester Substituents. <i>Chemistry of Materials</i> , 1994 , 6, 1419-1425	9.6	37
265	Organic bistable devices utilizing carbon nanotubes embedded in poly(methyl methacrylate). <i>Journal of Applied Physics</i> , 2012 , 112, 024509	2.5	36
264	Monolayer and Multilayer Films of Cyclodextrins Substituted with Two and Three Alkyl Chains. <i>Langmuir</i> , 1995 , 11, 3997-4000	4	36
263	Surface plasmon resonance of self-assembled phthalocyanine monolayers: possibilities for optical gas sensing. <i>Analyst, The</i> , 1996 , 121, 1501	5	36
262	Memory effects in hybrid silicon-metallic nanoparticle-organic thin film structures. <i>Organic Electronics</i> , 2008 , 9, 816-820	3.5	34
261	Influence of Molecular Weight on the Surface Morphology of Aligned, Branched Side-Chain Polyfluorene. <i>Advanced Functional Materials</i> , 2005 , 15, 1517-1522	15.6	34
260	Synthesis of Novel Bis- and Tris(tetrathiafulvalene) Amphiphiles for Use in Langmuir-Blodgett Film Deposition. <i>Synthesis</i> , 1994 , 1994, 613-618	2.9	34
259	Fourier transform IR studies of alternate layer acid-amine Langmuir-Blodgett films with pyroelectric properties. <i>Thin Solid Films</i> , 1988 , 159, 461-467	2.2	34
258	The preparation and dielectric properties of polybutadiene Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1985 , 134, 75-82	2.2	34
257	Cadmium telluride/Langmuir film photovoltaic structures. <i>Electronics Letters</i> , 1980 , 16, 201	1.1	34
256	Passband filters for terahertz radiation based on dual metallic photonic structures. <i>Applied Physics Letters</i> , 2007 , 91, 161115	3.4	33

255	Application of electrical admittance measurements to the quality control of milk. <i>Sensors and Actuators B: Chemical</i> , 2002 , 84, 136-141	8.5	33
254	Langmuir-Blodgett films of 1-t-butyl-9-hydrofullerene-60. <i>Thin Solid Films</i> , 1993 , 230, 73-77	2.2	33
253	Electroactive langmuir-blodgett films of N-octadecylpyridinium-TCNQ charge-transfer salt. <i>Synthetic Metals</i> , 1987 , 22, 185-189	3.6	33
252	Electrical investigations of layer-by-layer films of carbon nanotubes. <i>Journal Physics D: Applied Physics</i> , 2006 , 39, 3077-3085	3	32
251	Electroless deposition of multi-functional zinc oxide surfaces displaying photoconductive, superhydrophobic, photowetting, and antibacterial properties. <i>Journal of Materials Chemistry</i> , 2012 , 22, 3859		31
250	Electroluminescence in GaP/Langmuir-Blodgett film metal/insulator/semiconductor diodes. <i>Thin Solid Films</i> , 1983 , 99, 283-290	2.2	31
249	Poole-Frenkel conduction in single wall carbon nanotube composite films built up by electrostatic layer-by-layer deposition. <i>Journal of Applied Physics</i> , 2008 , 104, 094503	2.5	30
248	Observation of perylene excimers in Langmuir-Blodgett films. <i>Chemical Physics Letters</i> , 1991 , 184, 235-238	5	30
247	Electrical behavior of memory devices based on fluorene-containing organic thin films. <i>Journal of Applied Physics</i> , 2008 , 104, 044510	2.5	29
246	Electro- and Photochemistry of 13-Membered Azocrowns in Solution and as Langmuir-Blodgett Films. <i>Langmuir</i> , 1998 , 14, 1236-1241	4	29
245	A field effect transistor based on Langmuir-Blodgett films of an Ni(dmit) ₂ charge transfer complex. <i>Thin Solid Films</i> , 1994 , 244, 932-935	2.2	29
244	Gas sensing using thin organic films. <i>Biosensors and Bioelectronics</i> , 1995 , 10, 129-134	11.8	29
243	Langmuir-Blodgett film metal/insulator/ semiconductor structures on narrow band gap semiconductors. <i>Thin Solid Films</i> , 1983 , 99, 291-296	2.2	29
242	White organic light-emitting devices incorporating nanoparticles of II-VI semiconductors. <i>Nanotechnology</i> , 2007 , 18, 335202	3.4	28
241	Pyroelectric Langmuir-Blodgett films prepared using preformed polymers. <i>Journal Physics D: Applied Physics</i> , 1992 , 25, 1032-1035	3	28
240	Electronic, structural and spectroscopic properties of Langmuir-Blodgett films of (o-hexadecylthiocarboxy)tetrathiafulvalene (HDTTTF). <i>Chemistry of Materials</i> , 1992 , 4, 724-728	9.6	28
239	Semiconducting Langmuir-Blodgett films of ethylenedithiotetrathiafulvalene (EDTTTF) derivatives bearing charged and uncharged aromatic substituents. <i>Journal of Materials Chemistry</i> , 1997 , 7, 901-907		27
238	Sensitivity of the electrical admittance of a polysiloxane film to organic vapours. <i>Sensors and Actuators B: Chemical</i> , 1999 , 56, 37-44	8.5	27

237	Semiconducting Langmuir-Blodgett films of non-amphiphilic ethylenedithio-tetrathiafulvalene derivatives bearing pyridine and pyridinium substituents. <i>Journal of the Chemical Society Chemical Communications</i> , 1995 , 475-476		27
236	A hybrid phthalocyanine/silicon field-effect transistor sensor for NO ₂ . <i>Thin Solid Films</i> , 1996 , 284-285, 94-97	2.2	27
235	Gas sensing using Langmuir-Blodgett films of a ruthenium porphyrin. <i>Sensors and Actuators B: Chemical</i> , 1993 , 12, 111-114	8.5	27
234	The deposition and characterization of multilayers of the ionophore valinomycin. <i>Thin Solid Films</i> , 1988 , 160, 483-489	2.2	27
233	GaP/phthalocyanine Langmuir-Blodgett film electroluminescent diode. <i>Electronics Letters</i> , 1984 , 20, 489	1.1	27
232	Thermal annealing of blended-layer organic light-emitting diodes. <i>Journal of Applied Physics</i> , 2005 , 98, 054508	2.5	26
231	Docosanoyl itaconate/1-docosylamine alternate-layer Langmuir-Blodgett films: polymerisation, pyroelectric properties and infrared spectroscopic studies. <i>Journal of Materials Chemistry</i> , 1991 , 1, 819-826		26
230	Conduction mechanisms in Pd/SiO ₂ /n-Si Schottky diode hydrogen detectors. <i>Solid-State Electronics</i> , 1986 , 29, 89-97	1.7	26
229	Amorphous silicon/Langmuir-Blodgett film field effect transistor. <i>Thin Solid Films</i> , 1983 , 99, 297-304	2.2	26
228	Optimization of a Solution-Processed SiO ₂ Gate Insulator by Plasma Treatment for Zinc Oxide Thin Film Transistors. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 2061-70	9.5	25
227	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. <i>Journal of Materials Chemistry</i> , 2005 , 15, 5164		25
226	Arborol-Functionalised Tetrathiafulvalene Derivatives: Synthesis and Thin-Film Formation. <i>European Journal of Organic Chemistry</i> , 2003 , 2003, 3562-3568	3.2	25
225	Highly Conducting Langmuir-Blodgett films of an amphiphilic Bis(ethylenedithio)tetrathiafulvalene (BEDT-TTF) derivative: BEDT-TTF-C18H37. <i>Chemistry of Materials</i> , 1994 , 6, 1426-1431	9.6	25
224	Polarization processes in pyroelectric Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1988 , 160, 117-123	2.2	25
223	Crown-annulated tetrathiafulvalenes: synthesis of new functionalised derivatives and spectroscopic and electrochemical studies of metal complexation. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1996 , 1587-1593		24
222	Optical properties of polyaniline thin films. <i>Synthetic Metals</i> , 1993 , 55, 183-187	3.6	24
221	Aggregate Formation in Langmuir-Blodgett Films of an Amphiphilic Benzothiazolium Styryl Chromoionophore. <i>Langmuir</i> , 1994 , 10, 4185-4189	4	24
220	Alternate-layer Langmuir-Blodgett films of long-chain TCNQ and TTF derivatives. <i>Synthetic Metals</i> , 1989 , 31, 275-279	3.6	24

219	Synthesis of amphiphilic, mono-functionalised tetrathiafulvalenes; X-ray crystal structure of 4-(6-sromohehexanoyl)tetrathiafulvalene. <i>Journal of the Chemical Society Chemical Communications</i> , 1990 , 816		24
218	Langmuir-Blodgett films in amorphous silicon MIS structures. <i>Thin Solid Films</i> , 1982 , 89, 395-400	2.2	24
217	Quenching of pyrene fluorescence by fullerene C60 in Langmuir-Blodgett films. <i>Chemical Physics Letters</i> , 1997 , 280, 315-320	2.5	23
216	Model for large-area monolayer coverage of polystyrene nanospheres by spin coating. <i>Scientific Reports</i> , 2017 , 7, 40888	4.9	22
215	A polyaniline/silicon hybrid field effect transistor humidity sensor. <i>Synthetic Metals</i> , 1997 , 85, 1365-1366	3.6	22
214	A single chip multi-channel surface plasmon resonance imaging system. <i>Sensors and Actuators B: Chemical</i> , 2003 , 90, 264-270	8.5	22
213	Substituted silicon phthalocyanine Langmuir-Blodgett film and its possible use in electronic devices. <i>Thin Solid Films</i> , 1990 , 192, 383-390	2.2	22
212	Enhanced lifetime of organic photovoltaic diodes utilizing a ternary blend including an insulating polymer. <i>Solar Energy Materials and Solar Cells</i> , 2017 , 160, 101-106	6.4	21
211	The morphology and electrical conductivity of single-wall carbon nanotube thin films prepared by the Langmuir-Blodgett technique. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010 , 354, 113-117	5.1	21
210	Photoinduced Electron Transfer between 16-(9-Anthroyloxy)palmitic Acid and Fullerene C60 in Langmuir-Blodgett Films. <i>Langmuir</i> , 1998 , 14, 3343-3346	4	21
209	Novel fulleropyrrolidinium-based materials. <i>Journal of Materials Chemistry</i> , 2000 , 10, 269-273		21
208	The deposition and characterization of phosphatidic acid Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1990 , 192, 391-396	2.2	21
207	Hydrogen-induced DLTS signal in pd/n-Si Schottky diodes. <i>Electronics Letters</i> , 1982 , 18, 314	1.1	21
206	Exploring the alignment of carbon nanotubes dispersed in a liquid crystal matrix using coplanar electrodes. <i>Journal of Applied Physics</i> , 2015 , 117, 125303	2.5	20
205	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. <i>Applied Physics Letters</i> , 2013 , 102, 213301	3.4	20
204	Environmental effects on the electrical behavior of pentacene thin-film transistors with a poly(methyl methacrylate) gate insulator. <i>Organic Electronics</i> , 2013 , 14, 2101-2107	3.5	20
203	The effect of insulating spacer layers on the electrical properties of polymeric Langmuir-Blodgett film light emitting devices. <i>Journal Physics D: Applied Physics</i> , 2000 , 33, 1029-1035	3	20
202	Gas sensing using a charge-flow transistor. <i>Sensors and Actuators B: Chemical</i> , 1995 , 25, 451-453	8.5	20

201	Variation in Intermolecular Spacing with Dipping Pressure for Arachidic Acid LB Films. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 11672-11674		20
200	Field-effect transistor based on organometallic Langmuir-Blodgett film. <i>Electronics Letters</i> , 1993 , 29, 1377	1.1	20
199	Structural properties of Langmuir-Blodgett films of a long-chain tetrathiafulvalene derivative. <i>Synthetic Metals</i> , 1990 , 35, 307-318	3.6	20
198	Highly-conducting Langmuir-Blodgett films based on Ni(dmit) ₂ anions. <i>Journal of the Chemical Society Chemical Communications</i> , 1991 , 322		20
197	Application of multilayer films to molecular sensors: some examples of bioengineering at the molecular level. <i>Journal of Biomedical Engineering</i> , 1991 , 13, 209-14		20
196	Charge Storage in Pentacene/Polymethylmethacrylate Memory Devices. <i>IEEE Electron Device Letters</i> , 2009 , 30, 632-634	4.4	19
195	Complex Formation of an Amphiphilic Benzothiazolium Styryl Chromoionophore with Metal Cations in a Monolayer at the Air-Water Interface. <i>The Journal of Physical Chemistry</i> , 1995 , 99, 4176-4180		19
194	Pyrene excimer formation in Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1996 , 284-285, 622-626	2.2	19
193	Electrochemical studies on Langmuir-Blodgett films of 1-tert-butyl-1,9-dihydrofullerene-60. <i>Journal of the Chemical Society Chemical Communications</i> , 1993 , 1310-1312		19
192	Electroactive Langmuir-Blodgett films of O-hexadecylthiocarboxytetrathiafulvalene (HDTTTF). <i>Journal of the Chemical Society Chemical Communications</i> , 1990 , 970-972		19
191	Thermally stimulated discharge of alternate-layer Langmuir-Blodgett film structures. <i>Journal Physics D: Applied Physics</i> , 1988 , 21, 95-100	3	19
190	Metal nano-floating gate memory devices fabricated at low temperature. <i>Microelectronic Engineering</i> , 2006 , 83, 1563-1566	2.5	18
189	Anomalous distance dependence of fluorescence lifetime quenched by a semiconductor. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1995 , 200, 61-64	2.3	18
188	A semiconducting Langmuir-Blodgett film of a non-amphiphilic bis-tetrathiafulvalene derivative. <i>Journal of Materials Chemistry</i> , 1995 , 5, 1609-1615		18
187	Langmuir-Blodgett Films of Chromoionophores Containing a Crown Ether Ring: Complex Formation with Ag ⁺ Cations in Water. <i>The Journal of Physical Chemistry</i> , 1994 , 98, 9601-9605		18
186	Infrared spectroscopic studies of molecular structure, ordering, and interactions in enzyme-containing Langmuir-Blodgett films. <i>Langmuir</i> , 1990 , 6, 1068-1070	4	18
185	Dynamic pyroelectric response of Langmuir-Blodgett film infrared detectors. <i>Journal Physics D: Applied Physics</i> , 1986 , 19, L167-L172	3	18
184	Photoelectric properties of substituted silicon phthalocyanine Langmuir-Blodgett film Schottky barrier and metal/insulator/semiconductor devices. <i>Thin Solid Films</i> , 1987 , 149, 163-170	2.2	18

183	Low-Voltage Solution-Processed Hybrid Light-Emitting Transistors. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 18445-18449	9.5	18
182	Nanoscale resolution scanning thermal microscopy using carbon nanotube tipped thermal probes. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 1174-81	3.6	17
181	Improved memory behaviour of single-walled carbon nanotubes charge storage nodes. <i>Journal Physics D: Applied Physics</i> , 2012 , 45, 295401	3	17
180	The electrical and optical properties of oriented Langmuir-Blodgett films of single-walled carbon nanotubes. <i>Carbon</i> , 2011 , 49, 2424-2430	10.4	17
179	Atomic force microscope characterization of poly(ethyleneimine)/poly(ethylene-co-maleic acid) and poly(ethyleneimine)/poly(styrene sulfonate) multilayers. <i>Thin Solid Films</i> , 2005 , 483, 114-121	2.2	17
178	Metal ion sensing using ultrathin organic films prepared by the layer-by-layer adsorption technique. <i>Journal Physics D: Applied Physics</i> , 2001 , 34, 285-291	3	17
177	Pentacosanoic acid/hexacosylamine alternate layer Langmuir-Blodgett films: synthesis, polymerisation and electrical properties. <i>Journal of Materials Chemistry</i> , 1993 , 3, 97-104		17
176	Fourier transform infrared spectroscopic studies on alternate-layer Langmuir-Blodgett films with nonlinear optical properties. <i>Langmuir</i> , 1992 , 8, 262-266	4	17
175	Electrical properties of Langmuir-Blodgett films of a Ni(dmit) ₂ charge-transfer complex. <i>Thin Solid Films</i> , 1992 , 210-211, 257-260	2.2	17
174	Optical sensing of aromatic hydrocarbons using Langmuir-Blodgett films of a Schiff base co-ordination polymer. <i>Thin Solid Films</i> , 1998 , 327-329, 726-729	2.2	16
173	Quality control of dairy products using single frequency admittance measurements. <i>Measurement Science and Technology</i> , 2006 , 17, 275-280	2	16
172	Application of impedance spectroscopy to the study of organic multilayer devices. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2000 , 171, 159-166	5.1	16
171	Infrared spectroscopic studies on the structure and ordering of hexadecanoyltetrathiafulvalene conducting Langmuir-Blodgett multilayers. <i>Langmuir</i> , 1990 , 6, 1680-1682	4	16
170	Dual-layer light emitting devices based on polymeric Langmuir-Blodgett films. <i>Journal of Materials Chemistry</i> , 2000 , 10, 163-167		15
169	Optical properties of highly ordered perylene multilayers. <i>Thin Solid Films</i> , 1989 , 179, 515-520	2.2	15
168	Langmuir-Blodgett films: a new class of pyroelectric materials. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 1988 , 35, 736-40	3.2	15
167	Electrical properties of Au/n-CdTe Schottky diodes. <i>Journal Physics D: Applied Physics</i> , 1982 , 15, 901-910	3	15
166	Light-Emitting Transistors Based on Solution-Processed Heterostructures of Self-Organized Multiple-Quantum-Well Perovskite and Metal-Oxide Semiconductors. <i>Advanced Electronic Materials</i> , 2019 , 5, 1800985	6.4	14

165	Nanoscale patterning of gold nanoparticles using an atomic force microscope. <i>Materials Science and Engineering C</i> , 2005 , 25, 33-38	8.3	14
164	Preparation and characterisation of conductive Langmuir-Blodgett films of amphiphilic pyridinium-Bi(dmit) ₂ salts. <i>Journal of Materials Chemistry</i> , 1995 , 5, 1601-1608		14
163	Blue electroluminescence from ZnSe/Langmuir-Blodgett film MIS diodes. <i>Electronics Letters</i> , 1987 , 23, 231-232	1.1	14
162	GaAs/LB film MISS switching device. <i>Electronics Letters</i> , 1984 , 20, 838	1.1	14
161	Evolution of Electronic Circuits using Carbon Nanotube Composites. <i>Scientific Reports</i> , 2016 , 6, 32197	4.9	14
160	Memory effects in MIS structures based on silicon and polymethylmethacrylate with nanoparticle charge-storage elements. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2009 , 159-160, 14-17	3.1	13
159	Lifetime studies of light-emitting diode structures incorporating polymeric Langmuir-Blodgett films. <i>Materials Science and Engineering C</i> , 2001 , 14, 1-10	8.3	13
158	Conducting Langmuir-Blodgett films of an amphiphilic unsymmetrical ethylenedithiotetrathiafulvalene derivative: EDT-TTF-C ₁₇ H ₃₅ (O). <i>Journal of Materials Chemistry</i> , 1995 , 5, 1593-1599		13
157	Langmuir-Blodgett deposition and second-order non-linear optics of several azobenzene dye polymers. <i>Advanced Materials for Optics and Electronics</i> , 1996 , 6, 33-38		13
156	Phospholipid-based potassium-selective Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1989 , 180, 111-115	2.2	13
155	Evolution-In-Materio: Solving Machine Learning Classification Problems Using Materials. <i>Lecture Notes in Computer Science</i> , 2014 , 721-730	0.9	13
154	Evolution-in-materio: solving computational problems using carbon nanotube-polymer composites. <i>Soft Computing</i> , 2016 , 20, 3007-3022	3.5	12
153	Synthesis of platinum complexes of fluorenyl-substituted porphyrins used as phosphorescent dyes for solution-processed organic light-emitting devices. <i>Tetrahedron</i> , 2013 , 69, 9625-9632	2.4	12
152	Solution-processed SiO ₂ gate insulator formed at low temperature for zinc oxide thin-film transistors. <i>RSC Advances</i> , 2015 , 5, 36083-36087	3.7	12
151	A cross-linked poly(methyl methacrylate) gate dielectric by ion-beam irradiation for organic thin-film transistors. <i>Organic Electronics</i> , 2009 , 10, 1596-1600	3.5	12
150	Enhanced sensitivity of an organic field-effect transistor pH sensor using a fatty acid Langmuir-Blodgett film. <i>Organic Electronics</i> , 2010 , 11, 1792-1795	3.5	12
149	Electrochemical molecular recognition by thin films of ether-substituted polythiophenes. <i>Journal of Electroanalytical Chemistry</i> , 1998 , 447, 1-3	4.1	12
148	Single layer polymer electroluminescent devices incorporating new electron transport materials. <i>Thin Solid Films</i> , 2002 , 408, 275-281	2.2	12

147	Zinc Oxide Thin-Film Transistors Fabricated at Low Temperature by Chemical Spray Pyrolysis. <i>Journal of Electronic Materials</i> , 2014 , 43, 4241-4245	1.9	11
146	Electrical behavior of Langmuir-Blodgett networks of sorted metallic and semiconducting single-walled carbon nanotubes. <i>Langmuir</i> , 2012 , 28, 15385-91	4	11
145	A versatile nanopatterning technique based on controlled undercutting and liftoff. <i>Advanced Materials</i> , 2011 , 23, 5039-44	24	11
144	Electrical conductivity of single-wall carbon nanotube film deposited by electrostatic layer-by-layer assembly with the aid of polyelectrolytes. <i>Carbon</i> , 2009 , 47, 475-481	10.4	11
143	Effect of the thickness of Zn(BTZ) ₂ emitting layer on the electroluminescent spectra of white organic light-emitting diodes. <i>Journal of Luminescence</i> , 2007 , 122-123, 717-719	3.8	11
142	Surface plasmon resonance sensing of liquids using polyelectrolyte thin films. <i>Sensors and Actuators B: Chemical</i> , 2003 , 91, 291-297	8.5	11
141	Preparation and characterisation of conductive Langmuir-Blodgett films of a tetrabutylammonium Ni(dmit) ₂ complex. <i>Journal of Materials Chemistry</i> , 1996 , 6, 699-704		11
140	Conducting langmuir-blodgett films of new amphiphilic tetrathiafulvalene derivatives. <i>Synthetic Metals</i> , 1993 , 57, 3871-3878	3.6	11
139	Electrochemical properties of hexadecanoyltetrathiafulvalene Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1994 , 238, 280-284	2.2	11
138	Effects of polarization of infrared spectra collected in reflection at grazing incidence. <i>Vibrational Spectroscopy</i> , 1991 , 1, 305-309	2.1	11
137	An electron diffraction study of LB films prepared from a lightly substituted anthracene derivative. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1986 , 54, 71-79		11
136	Interface state effects in Pd-gate mos hydrogen sensors. <i>Sensors and Actuators</i> , 1986 , 9, 165-175		11
135	A RHEED study of cadmium stearate Langmuir-Blodgett films. <i>Journal of Materials Science Letters</i> , 1984 , 3, 25-28		11
134	Photo-assisted molecular engineering in solution-processed organic thin-film transistors with a blended semiconductor for high mobility anisotropy. <i>Applied Physics Letters</i> , 2013 , 102, 013306	3.4	10
133	Structural and optical properties of Langmuir-Blodgett films of a Schiff base coordination polymer: A material for hydrocarbon vapor sensing. <i>Acta Polymerica</i> , 1998 , 49, 294-300		10
132	Performance enhancement of white-electrophosphorescent devices incorporating a mixed-transition layer. <i>Applied Physics Letters</i> , 2008 , 92, 123504	3.4	10
131	Polyaniline films deposited by anodic polymerization: Properties and applications to chemical sensing. <i>Journal of Materials Science: Materials in Electronics</i> , 2003 , 14, 389-392	2.1	10
130	Ion-selective langmuir blodgett films of a chromoionophore. <i>Advanced Materials for Optics and Electronics</i> , 1995 , 5, 137-143		10

129	Langmuir-Blodgett films of the fullerenes C70 and C60. <i>Synthetic Metals</i> , 1993 , 56, 2955-2960	3.6	10
128	Photochemistry of an Amphiphilic Benzothiazolium Styryl Chromoionophore Organized in Langmuir-Blodgett Films. <i>Langmuir</i> , 1994 , 10, 4190-4194	4	10
127	Molecular interactions in Langmuir-Blodgett films of phospholipid and fatty acid mixtures. <i>Langmuir</i> , 1992 , 8, 619-623	4	10
126	Electrooptic modulation in polymer/Langmuir-Blodgett film waveguides. <i>Thin Solid Films</i> , 1992 , 210-211, 216-218	2.2	10
125	Small angle X-ray analysis of alternate-layer Langmuir-Blodgett films. <i>Philosophical Magazine Letters</i> , 1989 , 59, 317-323	1	10
124	Functionalised diarylalkynes: a new class of Langmuir-Blodgett film materials for nonlinear optics. <i>Journal Physics D: Applied Physics</i> , 1989 , 22, 1608-1612	3	10
123	Charge incorporation in Eicosenoic acid Langmuir-Blodgett multilayers. <i>Thin Solid Films</i> , 1988 , 160, 177-185	2.2	10
122	Electrical properties of CdTe:Cl. <i>Journal Physics D: Applied Physics</i> , 1980 , 13, 1899-1909	3	10
121	Efficient and Stable Solution-Processed Organic Light-Emitting Transistors Using a High-k Dielectric. <i>ACS Photonics</i> , 2019 , 6, 3159-3165	6.3	9
120	Effects of hydrogen plasma treatment on the electrical behavior of solution-processed ZnO transistors. <i>Journal of Applied Physics</i> , 2014 , 116, 074509	2.5	9
119	Evolution-in-materio: Solving bin packing problems using materials 2014 ,		9
118	. <i>IEEE Sensors Journal</i> , 2012 , 12, 1181-1186	4	9
117	Subthreshold characteristics of pentacene field-effect transistors influenced by grain boundaries. <i>Journal of Applied Physics</i> , 2012 , 111, 104512	2.5	9
116	Molecular electronics: prospects for instrumentation and measurement science. <i>Measurement Science and Technology</i> , 1996 , 7, 725-735	2	9
115	Evaporated thin films of tetrathiafulvalene derivatives and their charge-transfer complexes. <i>Thin Solid Films</i> , 1998 , 335, 209-213	2.2	9
114	The effect of organic vapours on the permittivity of a co-ordination polymer Langmuir-Blodgett film. <i>Journal Physics D: Applied Physics</i> , 1998 , 31, 3146-3153	3	9
113	The formation and characterization of Langmuir-Blodgett films of dipalmitoylphosphatidic acid. <i>Thin Solid Films</i> , 1994 , 243, 596-601	2.2	9
112	Electro-optic properties of some oligomeric Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1994 , 244, 1067-1072	2	9

111	Conducting Langmuir-Blodgett films of 1-tetrathiafulvalenyl-octadecan-1-ol-TCNQ complex. <i>Journal Physics D: Applied Physics</i> , 1989 , 22, 1586-1590	3	9
110	Synthesis of tetrathiafulvalene (TTF) derivatives bearing long alkyl chains. <i>Journal of the Chemical Society Chemical Communications</i> , 1988 , 1391		9
109	Langmuir-blodgett films. <i>Endeavour</i> , 1983 , 7, 65-69	0.5	9
108	Evolution-in-materio: A frequency classifier using materials 2014 ,		8
107	Electrical characteristics of a polyaniline/silicon hybrid field-effect transistor gas sensor. <i>IET Circuits, Devices and Systems</i> , 1997 , 144, 111		8
106	Molecular rectifier consisting of cytochrome c/GFP heterolayer by using metal coated optical fiber tip. <i>Current Applied Physics</i> , 2006 , 6, 839-843	2.6	8
105	A blended layer MEH-PPV electroluminescent device incorporating a new electron transport material. <i>Materials Science and Engineering C</i> , 2002 , 22, 87-89	8.3	8
104	4-Ethoxycarbonyl-4',5',5'-trimethyltetrathiafulvalene and its radical cation: LangmuirBlodgett film studies, EPR spectra and the X-ray crystal structure of (Me ₃ TTF-CO ₂ Et) ₂ ⁺ TCNQ ⁻ complex. <i>Journal of Materials Chemistry</i> , 1999 , 9, 2973-2978		8
103	An electro-optic Fabry-Pérot through-plane-modulator based on a Langmuir-Blodgett film. <i>Optics Communications</i> , 1995 , 115, 271-275	2	8
102	Synthesis and characterisation of selectively fluorinated stearic acids (octadecanoic acids) and their tristearins: the effect of introducing one and two fluorine atoms into a hydrocarbon chain. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1995 , 221		8
101	Ion-sensitive Langmuir-Blodgett films of a chromoionophore. <i>Thin Solid Films</i> , 1996 , 284-285, 683-686	2.2	8
100	Tricos-22-enoic acid/1-docosylamine alternate-layer LangmuirBlodgett films: polymerisation, pyroelectric properties and infrared spectroscopic studies. <i>Journal of Materials Chemistry</i> , 1992 , 2, 87-91		8
99	Switching and memory characteristics of thin films of an ambipolar organic compound: effects of device processing and electrode materials. <i>Journal Physics D: Applied Physics</i> , 2014 , 47, 485103	3	7
98	Bootstrapped inverter using a pentacene thin-film transistor with a poly(methyl methacrylate) gate dielectric. <i>IET Circuits, Devices and Systems</i> , 2009 , 3, 182-186	1.1	7
97	LangmuirBlodgett films of a tetrathiafulvalene derivative substituted with an azobenzene group. <i>Journal of Materials Chemistry</i> , 1997 , 7, 2033-2037		7
96	White electrophosphorescent devices based on tricolour emissive layers. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 025104	3	7
95	Single emitting layer white organic light-emitting device with high color stability to applied voltage. <i>Displays</i> , 2006 , 27, 187-190	3-4	7
94	Surface plasmon resonance detection of metal ions: layer-by-layer assembly of polyelectrolyte sensing layers on a multichannel chip. <i>IEEE Sensors Journal</i> , 2005 , 5, 1159-1164	4	7

93	Deposition and Structural Properties of Langmuir-Blodgett Films of a Fluorescently Labeled Phospholipid. <i>Langmuir</i> , 1994 , 10, 1877-1881	4	7
92	Structural characterization of phospholipid Langmuir-Blodgett multilayers containing valinomycin. <i>Vibrational Spectroscopy</i> , 1990 , 1, 29-33	2.1	7
91	CdTe/Langmuir-film m.i.s. structures. <i>Electronics Letters</i> , 1979 , 15, 335	1.1	7
90	Processing-induced chromism in thin films of polythiophene derivatives. <i>Macromolecular Rapid Communications</i> , 1997 , 18, 733-737	4.8	6
89	Light emission from electroluminescent Langmuir-Blodgett films of a polyester derived from oligothiophene. <i>Thin Solid Films</i> , 1998 , 327-329, 715-717	2.2	6
88	Synthesis and langmuir isotherms of difluorostearic acids. <i>Journal of Fluorine Chemistry</i> , 1998 , 90, 133-138	1	6
87	Deposition and characterisation of Langmuir-Blodgett films of an azo-modified polypeptide:azobenzene-containing poly-l-lysine. <i>Thin Solid Films</i> , 1998 , 335, 197-202	2.2	6
86	The preparation and characterisation of Langmuir-Blodgett films of the metal dithiolate charge-transfer complex N-octadecylpyridiniumPd(dmit) ₂ . <i>Journal of Materials Chemistry</i> , 1998 , 8, 387-396		6
85	Electrochemical recognition properties of 13- and 16-membered azo- and azoxycrowns in solution. <i>Journal of Electroanalytical Chemistry</i> , 2001 , 509, 42-47	4.1	6
84	Synthesis and properties of self organising semiconducting and luminescent polymers and model compounds. <i>Macromolecular Symposia</i> , 2001 , 175, 151-158	0.8	6
83	Preparation and film-forming properties of stellular porphyrin pentamers and their metal complexes. <i>Journal of Materials Chemistry</i> , 1995 , 5, 237		6
82	Conductivity and electroluminescence in an organometallic Langmuir-Blodgett film/antracene structure. <i>Thin Solid Films</i> , 1994 , 244, 936-938	2.2	6
81	An electrical investigation into multilayer assemblies of charge-transfer materials. <i>Journal Physics D: Applied Physics</i> , 1991 , 24, 1422-1429	3	6
80	Semiconducting Langmuir-Blodgett films of new long-chain tetrathiafulvalene derivatives. <i>Chemistry of Materials</i> , 1992 , 4, 720-723	9.6	6
79	Dye fluorescence kinetics of Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1992 , 210-211, 211-212	2.2	6
78	Multilayer assemblies for non-linear optics. <i>Synthetic Metals</i> , 1989 , 28, D711-D719	3.6	6
77	Synthesis of tetrathiafulvalene (TTF) derivatives substituted with two and four hydrophobic alkyl chains. <i>Synthetic Metals</i> , 1989 , 31, 379-387	3.6	6
76	Structural studies on Langmuir-Blodgett films containing nitrostilbene and hemicyanine dyes. <i>Langmuir</i> , 1990 , 6, 172-177	4	6

75	Effect of dye concentrations in blended-layer white organic light-emitting devices based on phosphorescent dyes. <i>Journal of Applied Physics</i> , 2009 , 106, 064516	2.5	5
74	Skeletonization of mixed arachidic acid/cadmium arachidate LB films: A study using atomic force microscopy. <i>Advanced Materials</i> , 1997 , 9, 58-61	24	5
73	Pure RGB Emissions Based on a White OLED Combined with Optical Colour Filters. <i>Chinese Physics Letters</i> , 2006 , 23, 1012-1014	1.8	5
72	The structure and properties of hybrid fluorinated-hydrocarbon fatty acids. <i>Journal of Fluorine Chemistry</i> , 2005 , 126, 671-680	2.1	5
71	Field effect devices with metal nanoparticles integrated by Langmuir-Blodgett technique for non-volatile memory applications. <i>Journal of Physics: Conference Series</i> , 2005 , 10, 57-60	0.3	5
70	The electrical behaviour of multilayer polypyrrole films. <i>Journal Physics D: Applied Physics</i> , 1998 , 31, 1504-1510	5	5
69	Ion permeation through Langmuir-Blodgett layers investigated by total external reflection and fluorescence study. <i>Materials Science and Engineering C</i> , 1995 , 3, 211-214	8.3	5
68	Semi-conducting Langmuir-Blodgett films of a novel amphiphilic bis(tetrathiafulvalene) derivative. <i>Journal of Materials Chemistry</i> , 1995 , 5, 191-192		5
67	A new approach to one-way electron transfer using multiredox centres organised in Langmuir-Blodgett films. <i>Journal of Electroanalytical Chemistry</i> , 1996 , 408, 173-179	4.1	5
66	FTIR studies on the azimuthal distribution of crystallites in 22-tricosenoic acid Langmuir-Blodgett films. <i>Langmuir</i> , 1993 , 9, 543-549	4	5
65	Pyroelectric behaviour of synthetic biomembrane structures. <i>Thin Solid Films</i> , 1992 , 210-211, 320-323	2.2	5
64	Electrical properties of $Zn_xHg_{1-x}Te$ thin films. <i>Journal Physics D: Applied Physics</i> , 1976 , 9, 1605-1617	3	5
63	Data Classification Using Carbon-Nanotubes and Evolutionary Algorithms. <i>Lecture Notes in Computer Science</i> , 2016 , 644-654	0.9	5
62	Admittance spectroscopy of Langmuir - Blodgett films on metal electrodes in aqueous solutions. <i>Journal Physics D: Applied Physics</i> , 1996 , 29, 179-184	3	4
61	An electrical impedance study of Langmuir - Blodgett films containing a tetrabutylammonium Ni(dmit) complex. <i>Journal Physics D: Applied Physics</i> , 1997 , 30, 2928-2931	3	4
60	Langmuir-blodgett films of amphiphilic cyanovinyl ferrocene derivatives and their electrochemical behaviour. <i>Materials Science and Engineering C</i> , 1998 , 5, 281-284	8.3	4
59	Effect of Sodium Bromide Salt on the Buildup of Consecutive MWCNTs Film by Electrostatic Self-Assembly. <i>Journal of the Electrochemical Society</i> , 2007 , 154, K68	3.9	4
58	An inkjet-printed chemical fuse. <i>Journal of Physics: Conference Series</i> , 2005 , 15, 39-44	0.3	4

57	Electrical properties of evaporated TTF thin films. <i>Synthetic Metals</i> , 1995 , 70, 1247-1248	3.6	4
56	Structural Properties of Oligomeric Langmuir-Blodgett Films for Second-Order Nonlinear Optics. <i>Langmuir</i> , 1996 , 12, 2292-2297	4	4
55	Electrical Properties of Multilayer Films Containing a Carotene Derivative. <i>Molecular Crystals and Liquid Crystals</i> , 1993 , 229, 83-90		4
54	Two-Dimensional Energy Transfer in Langmuir-Blodgett Films. <i>Molecular Crystals and Liquid Crystals</i> , 1993 , 229, 37-45		4
53	Impedance spectroscopy of biomembrane Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1994 , 244, 951-954	2.2	4
52	An X-ray photoelectron investigation of conducting N-octadecylpyridinium-tetracyanoquinodimethane Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1991 , 198, 363-367	2.2	4
51	Effects of hydrogen gas on palladium/LB film/silicon MIS devices. <i>Sensors and Actuators</i> , 1989 , 16, 255-261		4
50	Thermally stimulated conductivity in InP:Fe. <i>Journal Physics D: Applied Physics</i> , 1981 , 14, 2107-2116	3	4
49	Enhanced lifetime of organic photovoltaic diodes achieved by blending with PMMA: Impact of morphology and Donor:Acceptor combination. <i>Solar Energy Materials and Solar Cells</i> , 2021 , 219, 110765	6.4	4
48	Electrochemical properties of Langmuir-Blodgett films of polyesters derived from oligothiophenes. <i>Journal of Electroanalytical Chemistry</i> , 1998 , 443, 266-272	4.1	3
47	Monolayer materials 1996 , 65-93		3
46	Application of electrochemical techniques to the study of Langmuir-Blodgett films of N-octadecylpyridinium-Ni(dmit) ₂ . <i>Thin Solid Films</i> , 1996 , 284-285, 512-515	2.2	3
45	A comparison of tetrathiafulvalene thin films prepared by thermal evaporation and the Langmuir-Blodgett technique. <i>Thin Solid Films</i> , 1996 , 284-285, 516-519	2.2	3
44	A novel TGS/70:30 VDF:TrFE copolymer composite material for pyroelectric sensors. <i>Ferroelectrics, Letters Section</i> , 1993 , 15, 45-48	0.5	3
43	Structure of valinomycin/fatty acid langmuir-blodgett films. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1991 , 51, 175-182		3
42	Langmuir-Blodgett alternate layer structures for second-order nonlinear optics 1990 ,		3
41	Training a Carbon-Nanotube/Liquid Crystal Data Classifier Using Evolutionary Algorithms. <i>Lecture Notes in Computer Science</i> , 2016 , 130-141	0.9	3
40	Alignment of liquid crystal/carbon nanotube dispersions for application in unconventional computing 2015 ,		2

39	Computing Based on Material Training: Application to Binary Classification Problems 2017 ,		2
38	Organic electronic memory devices 2013 , 618-653		2
37	Percolation conductivity in Langmuir-Blodgett multilayer films containing a long-chain TTF derivative. <i>Supramolecular Science</i> , 1997 , 4, 443-447		2
36	Structural and electrical studies on nickel(dmit) ₂ complexes. <i>Synthetic Metals</i> , 1997 , 86, 1839-1840	3.6	2
35	Free-standing polymer cantilevers and bridges reinforced with carbon nanotubes. <i>Micro and Nano Letters</i> , 2007 , 2, 54	0.9	2
34	Observation of electro-optic and electroabsorption modulation in a Langmuir-Blodgett film Fabry-PerotEalon. <i>Optics Letters</i> , 1995 , 20, 1533-5	3	2
33	FTIR studies of conducting Langmuir-Blodgett films of o-hexadecylthiocarboxytetrathiafulvalene. <i>Thin Solid Films</i> , 1992 , 210-211, 589-591	2.2	2
32	Blue electroluminescence from ZnSe/Langmuir-Blodgett film MIS diodes. <i>Journal of Luminescence</i> , 1988 , 40-41, 861-862	3.8	2
31	Molecular Electronics 2006 , 1219-1239		2
30	Molecular Electronics. <i>Springer Handbooks</i> , 2017 , 1-1	1.3	1
29	Stable white light emission from an externally modified organic light-emitting device. <i>Displays</i> , 2010 , 31, 181-185	3.4	1
28	Fabrication and Characterisation of MIS Organic Memory Devices. <i>Advances in Science and Technology</i> , 2008 , 54, 474-479	0.1	1
27	Electrical Conductivity65-128		1
26	Electroactive Organic Compounds169-211		1
25	Artificial plasmonic materials for THz applications 2007 ,		1
24	The Use of LB Insulating Layers to Improve the Efficiency of Light Emitting Diodes Based on Evaporated Molecular Films. <i>Studies in Interface Science</i> , 2001 , 11, 175-183		1
23	Electrical behaviour and evolutionary computation in thin films of bovine brain microtubules. <i>Scientific Reports</i> , 2021 , 11, 10776	4.9	1
22	Towards Intelligently Designed Evolvable Processors.. <i>Evolutionary Computation</i> , 2022 , 1-23	4.3	1

- 21 Optical absorption in $Zn_xHg_{1-x}Te$ thin films. *Journal Physics D: Applied Physics*, **1976**, 9, 2305-2316 3 0
- 20 Organic electronic memory devices **2019**, 843-874
- 19 Nanoparticles for Charge Storage Using Hybrid Organic Inorganic Devices. *Advances in Science and Technology*, **2008**, 54, 451-457 0.1
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- 8 Molecular-Scale Electronics 403-454
- 7 The Electromagnetic Spectrum 219-219
- 6 Deposition of Functionalised Gold Nanoparticles by the Layer-by-Layer Electrostatic Technique. *Materials Research Society Symposia Proceedings*, **2003**, 789, 359
- 5 Layer-by-Layer Thin Films of Carbon Nanotubes. *Materials Research Society Symposia Proceedings*, **2005**, 901, 1
- 4 Electroluminescent devices incorporating a new oxadiazole derivative **2001**, 4105, 307

3 A Conductimetric pH Sensor based on a Polypyrrole Lb Film. *Studies in Interface Science*, **2001**, 11, 371-381

2 Electroactive Langmuir blodgett films of tetrathiafulvalene derivatives. *Synthetic Metals*, **1991**, 42, 1441-1446

1 Short Channel Effect of Solution-Processed ZnO Thin Film Transistors: Optimization for Photolithographic Process. *Nanoscience and Nanotechnology Letters*, **2018**, 10, 754-760

0.8