Roland Resel

List of Publications by Year
in descending order

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310	8,132	44066	82542
papers	citations	48 h-index	72 g-index

314	314	314	8186
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bottom-up organic integrated circuits. Nature, 2008, 455, 956-959.	27.8	366
2	Substrateâ€Induced and Thinâ€Film Phases: Polymorphism of Organic Materials on Surfaces. Advanced Functional Materials, 2016, 26, 2233-2255.	14.9	221
3	The entangled triplet pair state in acene and heteroacene materials. Nature Communications, 2017, 8, 15953.	12.8	171
4	Infrared Emitting and Photoconducting Colloidal Silver Chalcogenide Nanocrystal Quantum Dots from a Silylamide-Promoted Synthesis. ACS Nano, 2011, 5, 3758-3765.	14.6	164
5	Gas sensing properties of novel CuO nanowire devices. Sensors and Actuators B: Chemical, 2013, 187, 50-57.	7.8	163
6	Crystal and electronic structures of pentacene thin films from grazing-incidence x-ray diffraction and first-principles calculations. Physical Review B, 2007, 76, .	3.2	147
7	Controlled Deposition of Highly Ordered Soluble Acene Thin Films: Effect of Morphology and Crystal Orientation on Transistor Performance. Advanced Materials, 2009, 21, 4926-4931.	21.0	133
8	Monolayer coverage and channel length set the mobility in self-assembled monolayer field-effect transistors. Nature Nanotechnology, 2009, 4, 674-680.	31.5	121
9	Highly Luminescent 2Dâ€Type Slab Crystals Based on a Molecular Chargeâ€Transfer Complex as Promising Organic Lightâ€Emitting Transistor Materials. Advanced Materials, 2017, 29, 1701346.	21.0	111
10	Crystallographic studies on hexaphenyl thin films â€" a review. Thin Solid Films, 2003, 433, 1-11.	1.8	110
11	Planarity ofparaHexaphenyl. Physical Review Letters, 1999, 82, 3625-3628.	7.8	98
12	Oriented Sexiphenyl Single Crystal Nanoneedles on TiO2 (110). Advanced Materials, 2004, 16, 2159-2162.	21.0	89
13	Heteroepitaxy of Organicâ"Organic Nanostructures. Nano Letters, 2006, 6, 1207-1212.	9.1	82
14	Growth and preferred crystallographic orientation of hexaphenyl thin films. Thin Solid Films, 1997, 305, 232-242.	1.8	79
15	Exchangeâ€Coupled Bimagnetic WÃ¼stite/Metal Ferrite Core/Shell Nanocrystals: Size, Shape, and Compositional Control. Small, 2009, 5, 2247-2252.	10.0	78
16	Structure, morphology, and optical properties of highly ordered films ofpara-sexiphenyl. Physical Review B, 2000, 61, 16538-16549.	3.2	77
17	Preparation and properties of thin parylene layers as the gate dielectrics for organic field effect transistors. Microelectronics Journal, 2009, 40, 595-597.	2.0	77
18	Exploring the rearrangement of amorphous cellulose model thin films upon heat treatment. Soft Matter, 2012, 8, 9807.	2.7	76

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19	The effect of polymer molecular weight on the performance of PTB7-Th:O-IDTBR non-fullerene organic solar cells. Journal of Materials Chemistry A, 2018, 6, 9506-9516.	10.3	76
20	Organicâ"Organic Epitaxy of Incommensurate Systems:Â Quaterthiophene on Potassium Hydrogen Phthalate Single Crystals. Journal of the American Chemical Society, 2006, 128, 13378-13387.	13.7	71
21	Stimulated Emission Properties of Sterically Modified Distyrylbenzene-Based H-Aggregate Single Crystals. Journal of Physical Chemistry Letters, 2013, 4, 1597-1602.	4.6	71
22	Experimental and theoretical electronic structure of quinacridone. Physical Review B, 2014, 90, .	3.2	70
23	Thermopower measurements in magnetic fields up to 17 tesla using the toggled heating method. Review of Scientific Instruments, 1996, 67, 1970-1975.	1.3	67
24	Embedded Dipole Selfâ€Assembled Monolayers for Contact Resistance Tuning in pâ€Type and nâ€Type Organic Thin Film Transistors and Flexible Electronic Circuits. Advanced Functional Materials, 2018, 28, 1804462.	14.9	66
25	Influence of surface temperature and surface modifications on the initial layer growth of para-hexaphenyl on mica (001). Surface Science, 2007, 601, 2152-2160.	1.9	65
26	Heteroepitaxial growth of self-assembled highly ordered para-sexiphenyl films: â€ƒA crystallographic study. Physical Review B, 2001, 64, .	3.2	64
27	Sexithiophene films on ordered and disordered TiO2(110) surfaces: Electronic, structural and morphological properties. Surface Science, 2007, 601, 178-187.	1.9	64
28	Crystallisation kinetics in thin films of dihexyl-terthiophene: the appearance of polymorphic phases. RSC Advances, 2012, 2, 4404.	3.6	64
29	Vapour-phase deposition of oriented copper dicarboxylate metalâ€"organic framework thin films. Chemical Communications, 2019, 55, 10056-10059.	4.1	64
30	A heating stage up to 1173â€…K for X-ray diffraction studies in the whole orientation space. Journal of Applied Crystallography, 2003, 36, 80-85.	4.5	63
31	STEREOPOLE: software for the analysis of X-ray diffraction pole figures with IDL. Journal of Applied Crystallography, 2004, 37, 1029-1033.	4.5	63
32	Toward Single Crystal Thin Films of Terthiophene by Directional Crystallization Using a Thermal Gradient. Crystal Growth and Design, 2011, 11, 3663-3672.	3.0	63
33	Stimulated Resonance Raman Scattering and Laser Oscillation in Highly Emissive Distyrylbenzeneâ€Based Molecular Crystals. Advanced Materials, 2012, 24, 6473-6478.	21.0	62
34	Epitaxy of Rodlike Organic Molecules on Sheet Silicatesâ€"A Growth Model Based on Experiments and Simulations. Journal of the American Chemical Society, 2011, 133, 3056-3062.	13.7	61
35	Synthesis and characterization of copper zinc tin chalcogenide nanoparticles: Influence of reactants on the chemical composition. Solar Energy Materials and Solar Cells, 2012, 101, 87-94.	6.2	61
36	Highly Oriented and Nanotextured Films of Regioregular Poly(3-hexylthiophene) Grown by Epitaxy on the Nanostructured Surface of an Aromatic Substrate. Macromolecules, 2010, 43, 7604-7610.	4.8	60

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37	GIDVis: a comprehensive software tool for geometry-independent grazing-incidence X-ray diffraction data analysis and pole-figure calculations. Journal of Applied Crystallography, 2019, 52, 683-689.	4.5	60
38	Photovoltaic properties of thin film heterojunctions with cupric oxide absorber. Journal of Renewable and Sustainable Energy, 2013, 5, .	2.0	58
39	Nâ€Type Selfâ€Assembled Monolayer Fieldâ€Effect Transistors and Complementary Inverters. Advanced Functional Materials, 2013, 23, 2016-2023.	14.9	58
40	The transport properties of RCo2compounds. Journal of Physics Condensed Matter, 1995, 7, 6687-6706.	1.8	57
41	Organic Heteroepitaxy:p-Sexiphenyl on Uniaxially Oriented Î±-Sexithiophene. Advanced Materials, 2006, 18, 2466-2470.	21.0	57
42	Molecular alignments in sexiphenyl thin films epitaxially grown on muscovite. Thin Solid Films, 2003, 443, 108-114.	1.8	56
43	Crystal structure of oligoacenes under high pressure. Physical Review B, 2006, 74, .	3.2	56
44	Solutionâ€Processable Septithiophene Monolayer Transistor. Advanced Materials, 2012, 24, 973-978.	21.0	56
45	Substrate-Induced Phase of a [1]Benzothieno[3,2-b]benzothiophene Derivative and Phase Evolution by Aging and Solvent Vapor Annealing. ACS Applied Materials & Interfaces, 2015, 7, 1868-1873.	8.0	54
46	Pressure studies on the intermolecular interactions in biphenyl. Synthetic Metals, 2001, 116, 327-331.	3.9	53
47	High pressure x-ray study on anthracene. Journal of Chemical Physics, 2003, 119, 1078-1084.	3.0	52
48	X-ray Structural Investigation of Nonsymmetrically and Symmetrically Alkylated [1]Benzothieno[3,2-b]benzothiophene Derivatives in Bulk and Thin Films. ACS Applied Materials & Interfaces, 2014, 6, 13413-13421.	8.0	51
49	High-pressure structural properties of anthracene up to 10 GPa. Physical Review B, 2002, 66, .	3.2	49
50	Preferred Orientation of Copper Phthalocyanine Thin Films Evaporated on Amorphous Substrates. Journal of Materials Research, 2000, 15, 934-939.	2.6	47
51	Polymorphism and Amplified Spontaneous Emission in a Dicyanoâ€Distyrylbenzene Derivative with Multiple Trifluoromethyl Substituents: Intermolecular Interactions in Play. Advanced Functional Materials, 2016, 26, 2349-2356.	14.9	46
52	CuInS2â€“Poly(3-(ethyl-4-butanoate)thiophene) nanocomposite solar cells: Preparation by an in situ formation route, performance and stability issues. Solar Energy Materials and Solar Cells, 2011, 95, 1354-1361.	6.2	45
53	Surface induced crystallographic order in sexiphenyl thin films. Journal of Physics Condensed Matter, 2008, 20, 184009.	1.8	44
54	Growth, structure and stability of sputter-deposited MoS₂ thin films. Beilstein Journal of Nanotechnology, 2017, 8, 1115-1126.	2.8	44

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55	MBE growth of para-hexaphenyl on GaAs(001)-2Ã—4. Surface Science, 1998, 418, 256-266.	1.9	43
56	Tuning Intermolecular Interactions:â€‰ A Study of the Structural and Vibrational Properties of p-Hexaphenyl under Pressure. Journal of Physical Chemistry A, 2001, 105, 6203-6211.	2.5	43
57	Organicâ^'Organic Heteroepitaxy of Red-, Green-, and Blue-Emitting Nanofibers. ACS Nano, 2010, 4, 6244-6250.	14.6	42
58	Evolution of the substructure of a novel 12% Cr steel under creep conditions. Materials Characterization, 2016, 115, 23-31.	4.4	42
59	DFT-Assisted Polymorph Identification from Lattice Raman Fingerprinting. Journal of Physical Chemistry Letters, 2017, 8, 3690-3695.	4.6	42
60	Chain-length-dependent intermolecular packing in polyphenylenes: a high pressure study. Journal of Physics Condensed Matter, 2003, 15, 3375-3389.	1.8	41
61	Sexithiophene films on clean and oxidized Si(111) surfaces: Growth and electronic structure. Journal of Applied Physics, 2004, 96, 2716-2724.	2.5	41
62	Evidence of Multiple Superconducting Phases in CeRu2. Journal of the Physical Society of Japan, 1995, 64, 1471-1475.	1.6	40
63	Para-sexiphenyl thin films on KCl(100) surfaces: Growth morphologies and their individual epitaxial order. Journal of Crystal Growth, 2005, 284, 209-220.	1.5	39
64	Epitaxially Grown Films of Standing and Lying Pentacene Molecules on Cu(110) Surfaces. Crystal Growth and Design, 2011, 11, 1015-1020.	3.0	39
65	Surface-Sensitive Approach to Interpreting Supramolecular Rearrangements in Cellulose by Synchrotron Grazing Incidence Small-Angle X-ray Scattering. ACS Macro Letters, 2015, 4, 713-716.	4.8	38
66	Electronic, optical, and structural properties of oligophenylene molecular crystals under high pressure: Anab initioinvestigation. Physical Review B, 2003, 67, .	3.2	37
67	Ordered Semiconducting Self-Assembled Monolayers on Polymeric Surfaces Utilized in Organic Integrated Circuits. Nano Letters, 2010, 10, 1998-2002.	9.1	37
68	Layered Nanostructures in Proton Conductive Polymers Obtained by Initiated Chemical Vapor Deposition. Macromolecules, 2015, 48, 6177-6185.	4.8	37
69	A Polymorph Crystal Structure of Hexaphenyl Observed in Thin Films. Crystal Research and Technology, 2001, 36, 47-54.	1.3	36
70	Structural relationship between epitaxially grown para-sexiphenyl and mica (001) substrates. Journal of Crystal Growth, 2002, 237-239, 2076-2081.	1.5	36
71	Growth kinetics, structure, and morphology of para-quaterphenyl thin films on gold(111). Journal of Chemical Physics, 2004, 121, 2272-2277.	3.0	36
72	A disordered layered phase in thin films of sexithiophene. Chemical Physics Letters, 2013, 574, 51-55.	2.6	36

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73	Gd substitutions in the TmCo2Laves phase: the onset of long-range magnetic order in the itinerant subsystem. Journal of Physics Condensed Matter, 1995, 7, 597-610.	1.8	35
74	Epitaxial growth of quaterphenyl thin films on gold(111). Applied Physics Letters, 2003, 83, 4536-4538.	3.3	35
75	Crystal growth of para-sexiphenyl on clean and oxygen reconstructed Cu(110) surfaces. Physical Chemistry Chemical Physics, 2011, 13, 14675.	2.8	35
76	Epitaxial growth of sexithiophene on mica surfaces. Physical Review B, 2011, 83, .	3.2	35
77	Color Tuning of Nanofibers by Periodic Organicâ€“Organic Hetero-Epitaxy. ACS Nano, 2012, 6, 4629-4638.	14.6	35
78	Flexible polymer/copper indium sulfide hybrid solar cells and modules based on the metal xanthate route and low temperature annealing. Solar Energy Materials and Solar Cells, 2014, 124, 117-125.	6.2	35
79	Tuning of material properties of ZnO thin films grown by plasma-enhanced atomic layer deposition at room temperature. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2018, 36, .	2.1	35
80	Temperature-induced epitaxial growth modes of para-sexiphenyl on Au(111). Physical Review B, 2006, 74, .	3.2	34
81	Origins for epitaxial order of sexiphenyl crystals on muscovite(001). Surface and Interface Analysis, 2009, 41, 764-770.	1.8	33
82	Epitaxial order of pentacene on Cu(110)â€“(2Ã—1)O: One dimensional alignment induced by surface corrugation. Thin Solid Films, 2008, 517, 483-487.	1.8	32
83	Full X-ray pattern analysis of vacuum deposited pentacene thin films. European Physical Journal B, 2008, 66, 455-459.	1.5	32
84	Surface Modifications Using a Water-Stable Silanetriol in Neutral Aqueous Media. ACS Applied Materials & Interfaces, 2010, 2, 2956-2962.	8.0	32
85	Dynamic Studies on the Response to Humidity of Poly (2-hydroxyethyl methacrylate) Hydrogels Produced by Initiated Chemical Vapor Deposition. Macromolecular Chemistry and Physics, 2016, 217, 2372-2379.	2.2	32
86	Multiple scattering in grazing-incidence X-rayÂdiffraction: impact on lattice-constant determinationÂin thin films. Journal of Synchrotron Radiation, 2016, 23, 729-734.	2.4	31
87	Photovoltaic properties of a triple cation methylammonium/formamidinium/phenylethylammonium tin iodide perovskite. Journal of Materials Chemistry A, 2019, 7, 9523-9529.	10.3	31
88	Epitaxially grown sexiphenyl nanocrystals on the organic KAP(010) surface. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 41, 133-137.	2.7	30
89	Momentum-dependent excitations in highly ordered films ofpara-hexaphenyl. Physical Review B, 1997, 56, 10138-10144.	3.2	29
90	Structure and morphology of sexiphenyl thin films grown on aluminium (111). Organic Electronics, 2004, 5, 45-51.	2.6	29

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91	Morphology and growth kinetics of organic thin films deposited by hot wall epitaxy. Organic Electronics, 2004, 5, 23-27.	2.6	29
92	Layer growth and desorption kinetics of a discoid molecular acceptor on Au(111). Chemical Physics Letters, 2009, 473, 321-325.	2.6	29
93	Single Crystalline Nature of para-Sexiphenyl Crystallites Grown on KCl(100). Journal of Nanoscience and Nanotechnology, 2006, 6, 698-703.	0.9	28
94	Crystallographic and morphological characterization of thin pentacene films on polycrystalline copper surfaces. Journal of Chemical Physics, 2006, 124, 054711.	3.0	28
95	Influence of the Iodide to Bromide Ratio on Crystallographic and Optoelectronic Properties of Rubidium Antimony Halide Perovskites. ACS Applied Energy Materials, 2019, 2, 539-547.	5.1	28
96	On the phase-transition in anthracene induced by high pressure. Solid State Communications, 2004, 129, 103-106.	1.9	27
97	Epitaxial Growth of Sexiphenyl on Al(111):Â From Monolayer to Crystalline Films. Langmuir, 2004, 20, 7512-7516.	3.5	27
98	Layer Growth, Thermal Stability, and Desorption Behavior of Hexaaza-triphenylene-hexacarbonitrile on Ag(111). Journal of Physical Chemistry C, 2010, 114, 6650-6657.	3.1	27
99	n-Type self-assembled monolayer field-effect transistors for flexible organic electronics. Organic Electronics, 2013, 14, 1297-1304.	2.6	27
100	High resolution X-ray diffraction studies on hexaphenyl thin films. Surface Science, 1998, 409, 302-306.	1.9	26
101	The epitaxial sexiphenyl (001) monolayer on TiO2(110): A grazing incidence X-ray diffraction study. Surface Science, 2006, 600, 4645-4649.	1.9	26
102	Phase transition and electronic properties of fluorene: A joint experimental and theoretical high-pressure study. Physical Review B, 2006, 73, .	3.2	26
103	Dynamics of Monolayerâ€“Island Transitions in 2,7â€Dioctylâ€benzothienobenzthiophene Thin Films. ChemPhysChem, 2013, 14, 2554-2559.	2.1	26
104	Crystalline Molybdenum Oxide Layers as Efficient and Stable Hole Contacts in Organic Photovoltaic Devices. ACS Applied Energy Materials, 2019, 2, 420-427.	5.1	26
105	Electronic and geometric structure of electro-optically active organic films and associated interfaces. Thin Solid Films, 2006, 514, 156-164.	1.8	25
106	Investigation of Primary Crystallite Sizes in Nanocrystalline ZnS Powders: Comparison of Microwave Assisted with Conventional Synthesis Routes. Inorganic Chemistry, 2008, 47, 3014-3022.	4.0	25
107	Novel fluorinated Ï€-conjugated oligomers as electron transport materials in organic light emitting diodes. Optical Materials, 1998, 9, 159-162.	3.6	24
108	Charge transport properties and microstructure of polythiophene/polyfluorene blends. Organic Electronics, 2009, 10, 1549-1555.	2.6	24

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109	X-ray radiation damage of organic semiconductor thin films during grazing incidence diffraction experiments. Nuclear Instruments & Methods in Physics Research B, 2012, 284, 64-68.	1.4	24
110	Initial Steps of Rubicene Film Growth on Silicon Dioxide. Journal of Physical Chemistry C, 2013, 117, 4115-4123.	3.1	23
111	Polymorphism of dioctyl-terthiophene within thin films: The role of the first monolayer. Chemical Physics Letters, 2015, 630, 12-17.	2.6	23
112	Temperature treatment of semiconducting polymers: An X-ray reflectivity study. Thin Solid Films, 2007, 515, 5601-5605.	1.8	22
113	Interface Induced Crystal Structures of Dioctyl-Terthiophene Thin Films. Langmuir, 2012, 28, 8530-8536.	3.5	22
114	Diffusion of Ag into Organic Semiconducting Materials: A Combined Analytical Study Using Transmission Electron Microscopy and X-ray Reflectivity. ACS Applied Materials & Interfaces, 2012, 4, 5608-5612.	8.0	22
115	Film growth, adsorption and desorption kinetics of indigo on SiO2. Journal of Chemical Physics, 2014, 140, 184705.	3.0	22
116	Reversibility of temperature driven discrete layer-by-layer formation of dioctyl-benzothieno-benzothiophene films. Soft Matter, 2017, 13, 2322-2329.	2.7	22
117	Mobility anisotropy in the herringbone structure of asymmetric Ph-BTBT-10 in solution sheared thin film transistors. Journal of Materials Chemistry C, 2021, 9, 7186-7193.	5.5	22
118	Epitaxial growth of para-hexaphenyl on GaAs(001)-2Ã—4. Surface Science, 1999, 437, 191-197.	1.9	21
119	Pattern formation in para-quaterphenyl film growth on gold substrates. Synthetic Metals, 2004, 146, 383-386.	3.9	21
120	Self-organization of para-sexiphenyl on crystalline substrates. Physica Status Solidi A, 2005, 202, 2376-2385.	1.7	21
121	Microstructure and Phase Behavior of a Quinquethiophene-Based Self-Assembled Monolayer as a Function of Temperature. Journal of Physical Chemistry C, 2011, 115, 22925-22930.	3.1	21
122	Temperature stability of the pentacene thin-film phase. Applied Physics Letters, 2011, 99, 221911.	3.3	21
123	Morphological and Structural Investigation of Sexithiophene Growth on KCl (100). Crystal Growth and Design, 2013, 13, 536-542.	3.0	21
124	Decafluoroquarterphenyl - crystal and molecular structure solved from X-ray powder data. Zeitschrift Fur Kristallographie - Crystalline Materials, 2001, 216, .	0.8	20
125	The influence of substrate temperature on the structure and morphology of sexiphenyl thin films on Au(111). Applied Physics A: Materials Science and Processing, 2007, 87, 103-111.	2.3	20
126	Crystal structure determination from two-dimensional powders: A combined experimental and theoretical approach. European Physical Journal: Special Topics, 2009, 167, 59-65.	2.6	20

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127	Morphology and growth kinetics of organic thin films deposited by hot wall epitaxy on KCl substrates. Journal of Crystal Growth, 2005, 275, e2037-e2042.	1.5	19
128	Influence of film growth conditions on carrier mobility of hot wall epitaxially grown fullerene based transistors. Journal of Crystal Growth, 2006, 288, 123-127.	1.5	19
129	Solution-Processed Thin Films of Thiophene Mesogens with Single-Crystalline Alignment. Advanced Materials, 2006, 18, 896-899.	21.0	19
130	Interfacial Morphology and Effects on Device Performance of Organic Bilayer Heterojunction Solar Cells. ACS Applied Materials & Interfaces, 2015, 7, 16161-16168.	8.0	19
131	Indexing of grazing-incidence X-ray diffraction patterns: the case of fibre-textured thin films. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, 373-387.	0.1	19
132	Conformation studies on layers of soluble poly(para-)phenylenevinylenes. Synthetic Metals, 1999, 101, 96-97.	3.9	18
133	Grazing-incidence in-plane X-ray diffraction on ultra-thin organic films using standard laboratory equipment. Journal of Applied Crystallography, 2012, 45, 367-370.	4.5	18
134	Impact of the Ink Formulation and Coating Speed on the Polymorphism and Morphology of a Solutionâ€Sheared Thin Film of a Blended Organic Semiconductor. Advanced Materials Interfaces, 2019, 6, 1900950.	3.7	18
135	Electronic transport properties of LaxY1â^'xAl2 alloys. Journal of Alloys and Compounds, 1993, 198, 117-126.	5.5	17
136	Structural properties of hexaphenyl thin films obtained by a rubbing technique: characterization of a biaxial texture. Journal of Crystal Growth, 1999, 206, 135-140.	1.5	17
137	Highly ordered anisotropic nano-needles in para-sexiphenyl films. Thin Solid Films, 2002, 403-404, 444-448.	1.8	17
138	Uniaxially aligned poly[(9,9â€dioctylfluorenylâ€2,7â€diyl)â€coâ€bithiophene] thin films characterized by the Xâ€ray diffraction pole figure technique. Journal of Applied Polymer Science, 2008, 107, 1817-1821.	2.6	17
139	Growth of sexithiophene crystals on Cu(110) and Cu(110)-(2Ã—1)O stripe phaseâ€”The influence of surface corrugation. Journal of Crystal Growth, 2009, 311, 1364-1369.	1.5	17
140	Substrate selected polymorphism of epitaxially aligned tetraphenyl-porphyrin thin films. Physical Chemistry Chemical Physics, 2012, 14, 262-272.	2.8	17
141	Copper zinc tin sulfide layers prepared from solution processable metal dithiocarbamate precursors. Materials Chemistry and Physics, 2012, 136, 582-588.	4.0	17
142	Self-Limited Growth in Pentacene Thin Films. ACS Applied Materials & Interfaces, 2017, 9, 11977-11984.	8.0	17
143	Directional crystallization of C8-BTBT-C8 thin films in a temperature gradient. Materials Chemistry Frontiers, 2021, 5, 249-258.	5.9	17
144	Structure and morphology of quaterphenyl thin films on Au(111)â€”The influence of surface contamination by carbon. Journal of Crystal Growth, 2005, 283, 397-403.	1.5	16

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145	Novel Regiospecific MDMO-PPV Polymers with Improved Charge Transport Properties for Bulk Heterojunction Solar Cells. Synthetic Metals, 2005, 153, 81-84.	3.9	16
146	Structural characterisation of alkyl amine-capped zinc sulphide nanoparticles. Journal of Colloid and Interface Science, 2012, 369, 154-159.	9.4	16
147	X-ray based tools for the investigation of buried interfaces in organic electronic devices. Organic Electronics, 2013, 14, 479-487.	2.6	16
148	Structural investigations on polypyrrole and poly(vinyl chloride)â€“polypyrrole composite films. Materials Chemistry and Physics, 1997, 48, 240-245.	4.0	15
149	Wide-range three-dimensional reciprocal-space mapping: a novel approach applied to organic monodomain thin films. Journal of Applied Crystallography, 2007, 40, 580-582.	4.5	15
150	Synthesis of a Photosensitive Thiocyanate-Functionalized Trialkoxysilane and Its Application in Patterned Surface Modifications. Chemistry of Materials, 2008, 20, 2009-2015.	6.7	15
151	Evolution of epitaxial order in para-sexiphenyl on KCl(100). Journal of Crystal Growth, 2010, 312, 333-339.	1.5	15
152	Alternately deposited heterostructures of Î±-sexithiopheneâ€“para-hexaphenyl on muscovite mica(001) surfaces: crystallographic structure and morphology. Journal of Materials Chemistry, 2012, 22, 15316.	6.7	15
153	Surface-Induced Phase of Tyrian Purple (6,6â€²-Dibromoindigo): Thin Film Formation and Stability. Crystal Growth and Design, 2016, 16, 3647-3655.	3.0	15
154	Solution of an elusive pigment crystal structure from a thin film: a combined X-ray diffraction and computational study. CrystEngComm, 2017, 19, 1902-1911.	2.6	15
155	Molecular Disorder in Crystalline Thin Films of an Asymmetric BTBT Derivative. Chemistry of Materials, 2021, 33, 1455-1461.	6.7	15
156	Orientation of molecules in phenylene oligomer thin films: influence of the substrate temperature. Synthetic Metals, 1999, 101, 627-628.	3.9	14
157	High Pressure Studies on the Optical and Electronic Properties of Para -Terphenyl. High Pressure Research, 2002, 22, 105-109.	1.2	14
158	Oriented organic semiconductor thin films. Synthetic Metals, 2003, 138, 59-63.	3.9	14
159	Modification of para-sexiphenyl layer growth by UV induced polarity changes of polymeric substrates. Organic Electronics, 2009, 10, 326-332.	2.6	14
160	Mechanism of surface proton transfer doping in pentacene based organic thinâ€film transistors. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 181-192.	1.8	14
161	Structural Order in Cellulose Thin Films Prepared from a Trimethylsilyl Precursor. Biomacromolecules, 2020, 21, 653-659.	5.4	14
162	Indexing grazing-incidence X-ray diffraction patterns of thin films: lattices of higher symmetry. Journal of Applied Crystallography, 2019, 52, 428-439.	4.5	14

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163	Structural properties of polymerised lyotropic liquid crystals phases of 3,4,5-tris(ï‰-acryloxyalkoxy)benzoate salts. Macromolecular Chemistry and Physics, 2000, 201, 1128-1133.	2.2	13
164	Epitaxial growth of sexithiophene on (110). Journal of Crystal Growth, 2008, 310, 101-109.	1.5	13
165	Effect of thermal annealing in vacuum on the photovoltaic properties of electrodeposited Cu‹sub›2‹/sub›O-absorber solar cell. EPJ Photovoltaics, 2014, 5, 50301.	1.6	13
166	Crossed 2D versus Slipped 1D Ï€â€Stacking in Polymorphs of Crystalline Organic Thin Films: Impact on the Electronic and Optical Response. Advanced Optical Materials, 2019, 7, 1900749.	7.3	13
167	Molecular beam epitaxy ofp-hexaphenyl on GaAs(111). Surface and Interface Analysis, 2000, 30, 518-521.	1.8	12
168	Evaluation of thermal and growth stresses in heteroepitaxial AlN thin films formed on (0001) sapphire by pulsed laser ablation. Journal of Crystal Growth, 2002, 240, 80-86.	1.5	12
169	Controlling molecular orientation of OMBE grown 6P thin films on mica(001). Surface Science, 2007, 601, 2584-2587.	1.9	12
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