

Derck Schlettwein

List of Publications by Year in descending order

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199
papers

5,628
citations

81743

39
h-index

98622

67
g-index

211
all docs

211
docs citations

211
times ranked

5017
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing the Spectroelectrochemical Performance of WO ₃ Films by Use of Structure-Directing Agents during Film Growth. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2327.	1.3	4
2	Tuning the optical properties of 2D monolayer silver-bismuth bromide double perovskite by halide substitution. <i>Nanotechnology</i> , 2022, 33, 215706.	1.3	5
3	Electrochromic switching of tungsten oxide films grown by reactive ion-beam sputter deposition. <i>Journal of Materials Science</i> , 2021, 56, 615-628.	1.7	21
4	New π -stacking motifs for molecular semiconducting materials: bis(bis(8-quinolinyl)amide)metal(II) complexes of Cr, Mn, Fe, and Zn. <i>Materials Advances</i> , 2021, 2, 2347-2357.	2.6	1
5	Mixed Ionic and Electronic Conduction in Appropriately Substituted Phthalocyanine Thin Films for Reversible and Fast Electrochromic Switching. <i>ECS Meeting Abstracts</i> , 2021, MA2021-01, 789-789.	0.0	0
6	Electron and Ion Transport in Mixed Electrochromic Thin Films of Perfluorinated Phthalocyanines. <i>Electrochimica Acta</i> , 2021, 377, 138065.	2.6	3
7	Large Cation Engineering in Two-Dimensional Silver-Bismuth Bromide Double Perovskites. <i>Chemistry of Materials</i> , 2021, 33, 4688-4700.	3.2	25
8	Investigation of Sputter-Deposited Thin Films of Lithium Phosphorous Sulfuric Oxynitride (LiPSON) as Solid Electrolyte for Electrochromic Devices. <i>Physica Status Solidi (B): Basic Research</i> , 2021, 258, 2100032.	0.7	3
9	Opportunities from Doping of Non-Critical Metal Oxides in Last Generation Light-Conversion Devices. <i>Advanced Energy Materials</i> , 2021, 11, 2101041.	10.2	29
10	Role of Interfaces and Contact Formation for the Application of Lead-Free Perovskite Materials in Photovoltaic Cells. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2100369.	1.2	1
11	Influence of Mg-doping on the characteristics of ZnO photoanodes in dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 8393-8402.	1.3	10
12	Optimization of the Substitution Pattern of 1,3-Disubstituted Imidazo[1,5-a]pyridines and α -Quinolines for Electro-Optical Applications. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 1900677.	0.7	15
13	Lanthanide-Induced Photoluminescence in Lead-Free Cs ₂ AgBiBr ₆ Bulk Perovskite: Insights from Optical and Theoretical Investigations. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8893-8900.	2.1	38
14	Facile low-temperature synthesis of nickel oxide by an internal combustion reaction for applications in electrochromic devices. <i>Journal of Materials Science</i> , 2020, 55, 14401-14414.	1.7	13
15	Specific migration of caprolactam and infrared characteristics of a polyamide/polyethylene composite film for food packaging under conditions of long-term storage before use. <i>Packaging Technology and Science</i> , 2020, 33, 501-514.	1.3	1
16	Contact formation of C60 to thin films of formamidinium tin iodide. <i>Journal of Materials Research</i> , 2020, 35, 2897-2904.	1.2	2
17	Synthesis, optical and theoretical characterization of heteroleptic Iridium(III) Imidazo[1,5-a]pyridine and -quinoline complexes. <i>Dyes and Pigments</i> , 2020, 180, 108512.	2.0	9
18	Synthesis and characterization of methoxy- or cyano-substituted thiophene/phenylene co-oligomers for lasing application. <i>RSC Advances</i> , 2020, 10, 24057-24062.	1.7	4

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19	The influence of intermolecular coupling on electron and ion transport in differently substituted phthalocyanine thin films as electrochromic materials: a chemistry application of the Goldilocks principle. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 7699-7709.	1.3	7
20	Effect of Alkyl Side Chain Length on Intra- and Intermolecular Interactions of Terthiophene- <i>isoindigo</i> Copolymers. <i>Journal of Physical Chemistry C</i> , 2020, 124, 9644-9655.	1.5	14
21	Mixed Ionic and Electronic Conduction in Appropriately Substituted Phthalocyanine Thin Films Allows Fast and Reversible Electrochromic Switching. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 933-933.	0.0	0
22	Modelling of Diffusion-Limited Growth in the Electrodeposition of Porous ZnO. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 1209-1209.	0.0	0
23	Efficient Electron Collection by Electrodeposited ZnO in Dye-Sensitized Solar Cells with TEMPO as the Redox Mediator. <i>Journal of Physical Chemistry C</i> , 2019, 123, 22074-22082.	1.5	9
24	Influence of Crystal Facets (102) or (100) on Photoelectrochemical Kinetics of ZnO Nanocrystals in Dye-Sensitized Solar Cells. <i>Journal of the Electrochemical Society</i> , 2019, 166, B3290-B3294.	1.3	3
25	Diverging surface reactions at TiO ₂ - or ZnO-based photoanodes in dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 13047-13057.	1.3	20
26	Effect of morphology and surface treatment on the performance of ZnO nanorod-based dye-sensitized solar cells. <i>Journal of Alloys and Compounds</i> , 2019, 798, 249-256.	2.8	16
27	Adjusting Porosity and Pore Radius of Electrodeposited ZnO Photoanodes. <i>Journal of the Electrochemical Society</i> , 2019, 166, B3040-B3046.	1.3	4
28	Influence of phenylethylammonium iodide as additive in the formamidinium tin iodide perovskite on interfacial characteristics and charge carrier dynamics. <i>APL Materials</i> , 2019, 7, .	2.2	21
29	Control of Excited-State Conformations in B,N-Acenes. <i>Angewandte Chemie</i> , 2019, 131, 4303-4307.	1.6	5
30	Control of Excited-State Conformations in B,N-Acenes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4259-4263.	7.2	7
31	Direct Observation of Charge Injection From CH ₃ NH ₃ PbI ₃ to Organic Semiconductors Monitored With Transient Absorption Spectroscopy. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1800265.	0.7	8
32	Modeling of Dendrite Formation as a Consequence of Diffusion-Limited Electrodeposition. <i>Journal of the Electrochemical Society</i> , 2019, 166, D3182-D3189.	1.3	22
33	Electroluminescence and contact formation of 1-(pyridin-2-yl)-3-(quinolin-2-yl)imidazo[1,5-a]quinoline thin films. <i>Organic Electronics</i> , 2019, 65, 321-326.	1.4	19
34	Metal Complexes as Redox Shuttles in Dye-Sensitized Solar Cells Based on Electrodeposited ZnO: Tuning Recombination Kinetics and Conduction Band Energy. <i>Journal of the Electrochemical Society</i> , 2018, 165, H3115-H3121.	1.3	6
35	Electrochemical Impedance Spectroscopy Analysis on Dye-sensitized Solar Cells Employing (102) and (100) Dominant ZnO Nanocrystals. <i>ECS Transactions</i> , 2018, 88, 289-299.	0.3	1
36	Ultrafast excited state dynamics of a bithiophene- <i>isoindigo</i> copolymer obtained by direct arylation polycondensation and its application in indium tin oxide-free solar cells. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 1475-1483.	2.4	10

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37	Exciton Dynamics and Electron-Phonon Coupling Affect the Photovoltaic Performance of the Cs ₂ AgBiBr ₆ Double Perovskite. <i>Journal of Physical Chemistry C</i> , 2018, 122, 25940-25947.	1.5	127
38	Synthesis, optical characterization and thin film preparation of 1-(pyridin-2-yl)-3-(quinolin-2-yl)imidazo[1,5-a]quinoline. <i>Dyes and Pigments</i> , 2018, 158, 334-341.	2.0	20
39	Optical determination of charge transfer times from indoline dyes to ZnO in solid state dye-sensitized solar cells. <i>AIP Advances</i> , 2018, 8, 055218.	0.6	3
40	Controlled Electrodeposition of Zinc Oxide on Conductive Meshes and Foams Enabling Its Use as Secondary Anode. <i>Journal of the Electrochemical Society</i> , 2018, 165, D461-D466.	1.3	17
41	Ultrafast Charge Dynamics in Mixed Cation Mixed Halide Perovskite Thin Films. <i>ChemPhysChem</i> , 2018, 19, 3010-3017.	1.0	10
42	Time- and Frequency-Resolved Photoelectrochemical Measurements on Dye Sensitized Solar Cells Employing (102) and (100) Dominated ZnO Nanocrystals. <i>ECS Meeting Abstracts</i> , 2018, , .	0.0	0
43	(Keynote) Electrochemical Reactions at Semiconductor Thin Films As Part of Solar Energy Conversion or Advanced Light Management. <i>ECS Meeting Abstracts</i> , 2018, , .	0.0	0
44	Preparation and characterization of mixed formamidinium lead iodide/methyl ammonium lead bromide layers. <i>Monatshefte für Chemie</i> , 2017, 148, 827-833.	0.9	2
45	Consequences of changes in the ZnO trap distribution on the performance of dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 16159-16168.	1.3	12
46	Freezing the polarization of CH ₃ NH ₃ PbI ₃ and CH ₃ NH ₃ PbI _{3-x} Cl _x perovskite films. <i>Materials Today Chemistry</i> , 2017, 4, 97-105.	1.7	8
47	Dye-sensitized solar cells with electrodeposited ZnO and Co(bpy) ₃ redox electrolyte: Investigation of mass transport in the electrolyte and interfacial charge recombination. <i>Electrochimica Acta</i> , 2017, 258, 591-598.	2.6	13
48	Electrochemical properties and optical transmission of high Li ⁺ conducting LiSiPON electrolyte films. <i>Physica Status Solidi (B): Basic Research</i> , 2017, 254, 1600088.	0.7	27
49	Stabilization of Organic-Inorganic Perovskite Layers by Partial Substitution of Iodide by Bromide in Methylammonium Lead Iodide. <i>ChemPhysChem</i> , 2016, 17, 1505-1511.	1.0	49
50	Migration Characteristics under Long-term Storage and a Combination of UV and Heat Exposure of Poly(Amide)/Poly(Ethylene) Composite Films for Food Packaging. <i>Packaging Technology and Science</i> , 2016, 29, 289-302.	1.3	7
51	Charge transfer at organic-inorganic interfaces Indoline layers on semiconductor substrates. <i>Journal of Applied Physics</i> , 2016, 120, .	1.1	3
52	Polymeric phthalocyanine sheets as electrocatalytic electrodes for water-oxidation. <i>Journal of Porphyrins and Phthalocyanines</i> , 2016, 20, 1166-1172.	0.4	6
53	Preparation and characterization of methylammonium tin iodide layers as photovoltaic absorbers. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 975-981.	0.8	54
54	<i>i</i> -V hysteresis of methylammonium lead halide perovskite films on microstructured electrode arrays: Dependence on preparation route and voltage scale. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 38-45.	0.8	14

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55	Peripheral ligands as electron storage reservoirs and their role in enhancement of photocatalytic hydrogen generation. <i>Chemical Communications</i> , 2016, 52, 9371-9374.	2.2	24
56	Hybrid Organic-Inorganic Solar Cells with Electrodeposited Al-Doped Zinc Oxide. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 3402-3406.	0.9	1
57	Identification of different pathways of electron injection in dye-sensitized solar cells of electrodeposited ZnO using an indoline sensitizer. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 8938-8944.	1.3	7
58	Photoelectrochemical Reactions at Phthalocyanine Electrodes. , 2016, , 263-314.		0
59	Establishing Distinct Charge Transfer Channels in Indoline Dye Sensitized Electrodeposited ZnO Solar Cells. , 2016, , .		0
60	Switching of the Rate-limiting Step in the Electrochromic Reduction of Fluorinated Phthalocyanine Thin Films by Decreased Intermolecular Coupling. <i>Electrochimica Acta</i> , 2015, 157, 232-244.	2.6	17
61	Ultrafast Charge-Transfer Reactions of Indoline Dyes with Anchoring Alkyl Chains of Varying Length in Mesoporous ZnO Solar Cells. <i>ChemPhysChem</i> , 2015, 16, 943-948.	1.0	13
62	Improvement of Light Harvesting by Addition of a Long-Wavelength Absorber in Dye-Sensitized Solar Cells Based on ZnO and Indoline Dyes. <i>Journal of Physical Chemistry C</i> , 2015, 119, 1298-1311.	1.5	29
63	Interplay of Different Reaction Pathways in the Pulsed Galvanostatic Deposition of Zinc Oxide. <i>Electrochimica Acta</i> , 2015, 169, 367-375.	2.6	8
64	Ultrafast Charge-Transfer Reactions of Indoline Dyes with Anchoring Alkyl Chains of Varying Length in Mesoporous ZnO Solar Cells. <i>ChemPhysChem</i> , 2015, 16, 893-893.	1.0	1
65	LiPON thin films with high nitrogen content for application in lithium batteries and electrochromic devices prepared by RF magnetron sputtering. <i>Solid State Ionics</i> , 2015, 282, 63-69.	1.3	108
66	Strategy for preparation of transparent organic thin film transistors with PEDOT:PSS electrodes and a polymeric gate dielectric. <i>Materials Science in Semiconductor Processing</i> , 2015, 40, 772-776.	1.9	11
67	Characterization of porphyrin nanorods on fluorine doped tin oxide glass sheet. <i>Journal of Porphyrins and Phthalocyanines</i> , 2015, 19, 1147-1158.	0.4	0
68	Influence of counter-anions during electrochemical deposition of ZnO on the charge transport dynamics in dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 1883-1890.	1.3	8
69	Diffusion-controlled electrochemical growth of porous zinc oxide on microstructured electrode band arrays. <i>Journal of Applied Electrochemistry</i> , 2015, 45, 105-113.	1.5	7
70	Use of Kelvin probe force microscopy to achieve a locally and time-resolved analysis of the photovoltage generated in dye-sensitized ZnO electrodes. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 1960-1965.	0.8	4
71	Electrochemical and electroless deposition of porous zinc oxide on aluminium. <i>Electrochimica Acta</i> , 2014, 128, 360-367.	2.6	6
72	Influence of indoline dye and coadsorbate molecules on photovoltaic performance and recombination in dye-sensitized solar cells based on electrodeposited ZnO. <i>Journal of Electroanalytical Chemistry</i> , 2013, 709, 10-18.	1.9	13

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73	Ultrafast Photodynamics of the Indoline Dye D149 Adsorbed to Porous ZnO in Dye-Sensitized Solar Cells. <i>ChemPhysChem</i> , 2013, 14, 132-139.	1.0	20
74	Intralayer vs. interlayer electronic coupling in perylene imide thin films. <i>Organic Electronics</i> , 2013, 14, 2833-2839.	1.4	8
75	Intensity-Modulated Photovoltage Spectroscopy at Evaporated Bulk Heterojunctions of PcCu and C60 to Determine the Average Effective Lifetime of Charge Carriers. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1493, 303-308.	0.1	0
76	Photoinduced charge transfer between Indoline D149 and porous ZnO detected in transient absorption. <i>EPJ Web of Conferences</i> , 2013, 41, 04011.	0.1	0
77	Preparation and Characterization of Electrodeposited ZnO on Microstructured Electrode Arrays. <i>Journal of the Electrochemical Society</i> , 2012, 159, D717-D723.	1.3	9
78	Structure and morphology in thin films of perfluorinated copper phthalocyanine grown on alkali halide surfaces (001). <i>Journal of Porphyrins and Phthalocyanines</i> , 2012, 16, 977-984.	0.4	5
79	Influence of an Applied Electric Field on the Conduction Characteristics of a Bithienyl-Capped Biphenylene and Biphenyl-Capped Oligothiophenes in Organic Field-Effect Transistor Structures. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1402, 72.	0.1	0
80	Photovoltaic characteristics and dye regeneration kinetics in D149-sensitized ZnO with varied dye loading and film thickness. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 7533.	1.3	27
81	Redox mediation enabled by immobilised centres in the pores of a metal-organic framework grown by liquid phase epitaxy. <i>Chemical Communications</i> , 2012, 48, 663-665.	2.2	91
82	Charge separation in organic semiconductor blends studied by electrical <i>in situ</i> characterization during film growth. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012, 209, 323-326.	0.8	1
83	Doping in mixed films of differently substituted phthalocyanines measured <i>in situ</i> during film growth. <i>Physica Status Solidi - Rapid Research Letters</i> , 2012, 6, 214-216.	1.2	4
84	Stable Sensitization of ZnO by Improved Anchoring of Indoline Dyes. <i>ChemPhysChem</i> , 2012, 13, 2893-2897.	1.0	16
85	Ultrafast Photodynamics of Indoline D149-sensitized ZnO solar cells. , 2012, , .		0
86	Electrospun antimony doped tin oxide (ATO) nanofibers as a versatile conducting matrix. <i>Chemical Communications</i> , 2011, 47, 12119.	2.2	13
87	Electrochromic Switching of Evaporated Thin Films of Bulky, Electronic Deficient Metallo-Phthalocyanines. <i>Journal of Physical Chemistry C</i> , 2011, 115, 8759-8767.	1.5	52
88	Structures and Redox Characteristics of Electron-Deficient Vanadyl Phthalocyanines. <i>Inorganic Chemistry</i> , 2011, 50, 4086-4091.	1.9	15
89	Development of the field-effect mobility in thin films of F16PcCu characterized by electrical <i>in situ</i> measurements during device preparation. <i>Organic Electronics</i> , 2011, 12, 1376-1382.	1.4	25
90	Scanning electrochemical microscope studies of dye regeneration in indoline (D149)-sensitized ZnO photoelectrochemical cells. <i>Journal of Electroanalytical Chemistry</i> , 2010, 650, 24-30.	1.9	32

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91	Textile-compatible Substrate Electrodes with Electrodeposited ZnO—A New Pathway to Textile-based Photovoltaics. <i>ChemPhysChem</i> , 2010, 11, 783-788.	1.0	16
92	Photoelectrochemical characterization of electrodeposited ZnO thin films sensitized by octacarboxymetallophthalocyanine derivatives. <i>Journal of Porphyrins and Phthalocyanines</i> , 2010, 14, 142-149.	0.4	25
93	Symmetrically and unsymmetrically substituted carboxy phthalocyanines as sensitizers for nanoporous ZnO films. <i>Journal of Porphyrins and Phthalocyanines</i> , 2010, 14, 985-992.	0.4	18
94	Nanoparticulate Dye-Semiconductor Hybrid Materials Formed by Electrochemical Self-Assembly as Electrodes in Photoelectrochemical Cells. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2009, 64, 518-530.	0.7	1
95	Novel Nanostructured Photoelectrodes - Electrodeposition of Metal Oxides onto Transparent Conducting Oxide Nanofibers. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1211, 1.	0.1	0
96	Electrodeposition of Inorganic/Organic Hybrid Thin Films. <i>Advanced Functional Materials</i> , 2009, 19, 17-43.	7.8	315
97	Growth and characterization of thin films prepared from perfluoro-isopropyl-substituted perfluorophthalocyanines. <i>Thin Solid Films</i> , 2009, 517, 4379-4384.	0.8	23
98	(Photo-)conduction measurements during the growth of evaporated bulk heterojunctions of a subphthalocyanine donor and a perfluorinated phthalocyanine acceptor. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 2723-2730.	0.8	15
99	Photoelectrochemical kinetics of Eosin Y-sensitized zinc oxide films investigated by scanning electrochemical microscopy under illumination with different LED. <i>Electrochimica Acta</i> , 2009, 55, 458-464.	2.6	38
100	Pulsed electrodeposition of porous ZnO on Ag-coated polyamide filaments. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 3313.	1.3	18
101	Fluorinated phthalocyanines as molecular semiconductor thin films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 409-420.	0.8	79
102	Influence of molecular adsorbates on the structure of electrodeposited nanocrystalline ZnO. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 2382-2387.	0.8	4
103	Organic-inorganic hybrid composites for photovoltaics: Organic guest molecules embedded in $\sqrt{3}\times\sqrt{3}$ -Si and ZnSe host matrices. <i>Renewable Energy</i> , 2008, 33, 262-266.	4.3	8
104	Textile electrodes as substrates for the electrodeposition of porous ZnO. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 1844.	1.3	21
105	Self-organization of crystalline domains in originally amorphous perylene diimide films. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 105112.	1.3	12
106	Photoactive donor-acceptor thin films as prospective materials for evaporated bulk heterojunctions of molecular semiconductors. , 2008, , .		0
107	Dependence of the photoelectrochemical performance of sensitised ZnO on the crystalline orientation in electrodeposited ZnO thin films. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 1843.	1.3	18
108	Silicon-organic pigment material hybrids for photovoltaic application. <i>Solar Energy Materials and Solar Cells</i> , 2007, 91, 1873-1886.	3.0	35

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109	Influence of gas molecules on the charge carrier mobility in thin films of semiconducting perylene tetracarboxylic imides. <i>Journal of Applied Physics</i> , 2006, 100, 126104.	1.1	22
110	Photoelectrochemical characterisation and optimisation of electrodeposited ZnO thin films sensitised by porphyrins and phthalocyanines. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 3867-3875.	1.3	26
111	ICPP-4. <i>Nachrichten Aus Der Chemie</i> , 2006, 54, 1029-1029.	0.0	0
112	Sensitization of thin-film-silicon by a phthalocyanine as strong organic absorber. <i>Organic Electronics</i> , 2006, 7, 363-368.	1.4	10
113	Phthalocyanines incorporated into hot wire-CVD grown silicon. <i>Thin Solid Films</i> , 2006, 511-512, 172-176.	0.8	5
114	Photoelectrochemical Kinetics of Eosin Y-Sensitized Zinc Oxide Films Investigated by Scanning Electrochemical Microscopy. <i>Chemistry - A European Journal</i> , 2006, 12, 5832-5839.	1.7	63
115	Self Organization in Thin Films of a Substituted Perylene Imide with a Twisted Aromatic Core. <i>Materials Research Society Symposia Proceedings</i> , 2006, 965, 1.	0.1	0
116	A Classic Molecular Semiconductor Revisited: New Aspects of Growth Mode and Conduction Characteristics in Thin Films of Phthalocyaninatozinc (PcZn). <i>Materials Research Society Symposia Proceedings</i> , 2006, 965, 1.	0.1	0
117	Efficient Sensitization of Mesoporous Electrodeposited Zinc Oxide by cis-Bis(isothiocyanato)bis(2,2[^{sup} Ê ¹]-bipyridyl-4,4[^{sup} Ê ¹]-dicarboxylato)-Ruthenium(II). <i>Journal of the Electrochemical Society</i> , 2006, 153, A699.	1.3	17
118	Thin insulating polymer films as dielectric layers for phthalocyanine-based organic field effect transistors. <i>Journal of Porphyrins and Phthalocyanines</i> , 2006, 10, 1179-1189.	0.4	6
119	Modification of ZnO Layers by Molecular Adsorbates During Electrochemical Deposition. <i>Materials Research Society Symposia Proceedings</i> , 2006, 957, 1.	0.1	0
120	Photoelectrochemical Reactions at Phthalocyanine Electrodes. , 2006, , 467-515.		2
121	Electrochemically self-assembled mesoporous dye-modified zinc oxide thin films. <i>Studies in Surface Science and Catalysis</i> , 2005, , 315-320.	1.5	6
122	Organic n-channels of substituted phthalocyanine thin films grown on smooth insulator surfaces for organic field effect transistors applications. <i>Journal of Materials Research</i> , 2004, 19, 2040-2048.	1.2	29
123	Determination of the anisotropic optical properties for perfluorinated vanadyl phthalocyanine thin films. <i>Journal of Materials Research</i> , 2004, 19, 2008-2013.	1.2	14
124	Hybrid thin films of ZnO with porphyrins and phthalocyanines prepared by one-step electrodeposition. <i>Journal of Porphyrins and Phthalocyanines</i> , 2004, 08, 1366-1375.	0.4	15
125	Electrochemical Self-Assembly of ZnO/SO ₃ EtPTCDI Hybrid Photoelectrodes. <i>Journal of the Electrochemical Society</i> , 2004, 151, C62.	1.3	27
126	Electrochemical growth of gas-sensitive polyaniline thin films across an insulating gap. <i>Thin Solid Films</i> , 2004, 466, 320-325.	0.8	47

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127	Consequences of twisting the aromatic core of N,N'-dimethylperylene-3,4,9,10-bis(carboximide) by chemical substitution for the electronic coupling and electric transport in thin films. <i>Organic Electronics</i> , 2004, 5, 237-249.	1.4	20
128	Thickness dependence of the LUMO position for phthalocyanines on hydrogen passivated silicon (111). <i>Applied Surface Science</i> , 2004, 234, 138-143.	3.1	20
129	Electronic Energy Levels of Organic Dyes on Silicon: A Photoelectron Spectroscopy Study of ZnPc, F16ZnPc, and ZnTPP on p-Si(111):H. <i>Journal of Physical Chemistry B</i> , 2004, 108, 19398-19403.	1.2	54
130	Improved photoelectrochemical performance of electrodeposited ZnO/EosinY hybrid thin films by dye re-adsorption. <i>Chemical Communications</i> , 2004, , 400-401.	2.2	141
131	Influence of the molecular shape on the film growth of a substituted phthalocyanine. <i>Synthetic Metals</i> , 2004, 146, 335-339.	2.1	30
132	Growth of organic n-conductors on thin polymer films for use in organic field effect transistors. <i>Macromolecular Symposia</i> , 2004, 212, 299-306.	0.4	2
133	One-step electrochemical synthesis of ZnO/Ru(dcbpy) ₂ (NCS) ₂ hybrid thin films and their photoelectrochemical properties. <i>Electrochimica Acta</i> , 2003, 48, 3071-3078.	2.6	33
134	Photoelectrochemical Reactions at Phthalocyanine Electrodes. , 2003, , 247-283.		25
135	Adsorption and two-dimensional phases of a large polar molecule: Sub-phthalocyanine on Ag(111). <i>Physical Review B</i> , 2003, 68, .	1.1	104
136	Molecularly Modified Organic Semiconducting Properties of Phthalocyanine Derivatives. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2003, 52, 1410-1413.	0.1	0
137	<title>Time-resolved photoelectrochemical measurements and photovoltaic efficiency of electrochemically self-assembled ZnO-dye electrodes</title>. , 2002, 4465, 76.		0
138	Electrochemically self-assembled ZnO/dye electrodes: preparation and time-resolved photoelectrochemical measurements. , 2002, 4807, 113.		3
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