

Gregor Trimmel

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

161
papers

4,616
citations

34
h-index

61
g-index

171
ext. papers

5,049
ext. citations

4.8
avg, IF

5.25
L-index

#	Paper	IF	Citations
161	Metal Sulfide Thin Films with Tunable Nanoporosity for Photocatalytic Applications. <i>ACS Applied Nano Materials</i> , 2022 , 5, 1508-1520	5.6	4
160	Wide-bandgap organic solar cells with a novel perylene-based non-fullerene acceptor enabling open-circuit voltages beyond 1.4 V.. <i>Journal of Materials Chemistry A</i> , 2022 , 10, 2888-2906	13	3
159	Honeycomb-structured copper indium sulfide thin films obtained via a nanosphere colloidal lithography method. <i>Materials Advances</i> , 2022 , 3, 2884-2895	3.3	0
158	Phenylene-Bridged Perylene Monoimides as Acceptors for Organic Solar Cells - A Study on the Structure-Properties Relationship.. <i>Chemistry - A European Journal</i> , 2022 ,	4.8	2
157	The electron beam freeform fabrication of NiTi shape memory alloys. Part I: Microstructure and physical-chemical behavior. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2021 , 235, 709-716	1.3	2
156	Benefits of direct electron detection and PCA for EELS investigation of organic photovoltaics materials. <i>Micron</i> , 2021 , 140, 102981	2.3	4
155	A pyrrolopyridazinedione-based copolymer for fullerene-free organic solar cells. <i>New Journal of Chemistry</i> , 2021 , 45, 1001-1009	3.6	2
154	Lowering the Interfacial Resistance in Li _{6.4} La ₃ Zr _{1.4} Ta _{0.6} O ₁₂ Poly(Ethylene Oxide) Composite Electrolytes. <i>Cell Reports Physical Science</i> , 2020 , 1, 100214	6.1	4
153	Synthesis and characterization of zinc di(-2,2-dimethylpentan-3-yl dithiocarbonates) bearing pyridine or tetramethylethylenediamine coligands and investigation of their thermal conversion mechanisms towards nanocrystalline zinc sulfide. <i>Dalton Transactions</i> , 2020 , 49, 14564-14575	4.3	2
152	Comparison of fluorene, silafluorene and carbazole as linkers in perylene monoimide based non-fullerene acceptors. <i>Materials Advances</i> , 2020 , 1, 2095-2106	3.3	4
151	New Solar Cell/Battery Hybrid Energy System: Integrating Organic Photovoltaics with Li-Ion and Na-Ion Technologies. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 19155-19168	8.3	7
150	Hot injection synthesis of CuInS ₂ nanocrystals using metal xanthates and their application in hybrid solar cells. <i>New Journal of Chemistry</i> , 2019 , 43, 356-363	3.6	11
149	The effect of alkylthio substituents on the photovoltaic properties of conjugated polymers. <i>Organic Electronics</i> , 2019 , 68, 50-55	3.5	5
148	Modification of NiOx hole transport layers with 4-bromobenzylphosphonic acid and its influence on the performance of lead halide perovskite solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 9602-9611	2.1	9
147	Synthesis of a tetrazine-quaterthiophene copolymer and its optical, structural and photovoltaic properties. <i>Journal of Materials Science</i> , 2019 , 54, 10065-10076	4.3	4
146	Photovoltaic properties of a triple cation methylammonium/formamidinium/phenylethylammonium tin iodide perovskite. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 9523-9529	13	25
145	Elemental Nanoanalysis of Interfacial Alumina/aryl Fluoride Interactions in Fullerene-Free Organic Tandem Solar Cells. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1901053	4.6	6

144	Dependence of material properties and photovoltaic performance of triple cation tin perovskites on the iodide to bromide ratio. <i>Monatshefte Für Chemie</i> , 2019 , 150, 1921-1927	1.4	9
143	Elucidation of Donor:Acceptor Phase Separation in Nonfullerene Organic Solar Cells and Its Implications on Device Performance and Charge Carrier Mobility. <i>ACS Applied Energy Materials</i> , 2019 , 2, 7535-7545	6.1	8
142	Influence of Base-Catalyzed Organosolv Fractionation of Larch Wood Sawdust on Fraction Yields and Lignin Properties. <i>Catalysts</i> , 2019 , 9, 996	4	4
141	A Benzobis(thiazole)-Based Copolymer for Highly Efficient Non-Fullerene Polymer Solar Cells. <i>Chemistry of Materials</i> , 2019 , 31, 919-926	9.6	22
140	Influence of the Iodide to Bromide Ratio on Crystallographic and Optoelectronic Properties of Rubidium Antimony Halide Perovskites. <i>ACS Applied Energy Materials</i> , 2019 , 2, 539-547	6.1	22
139	Multi-layered nanoscale cellulose/CuInS sandwich type thin films. <i>Carbohydrate Polymers</i> , 2019 , 203, 219-227	10.3	7
138	The effect of polymer molecular weight on the performance of PTB7-Th:O-IDTBR non-fullerene organic solar cells. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 9506-9516	13	54
137	Enhanced Performance of Germanium Halide Perovskite Solar Cells through Compositional Engineering. <i>ACS Applied Energy Materials</i> , 2018 , 1, 343-347	6.1	120
136	A Zero-Dimensional Mixed-Anion Hybrid Halogenobismuthate(III) Semiconductor: Structural, Optical, and Photovoltaic Properties. <i>Inorganic Chemistry</i> , 2018 , 57, 10576-10586	5.1	19
135	Reverse Hexosome Dispersions in Alkanes-The Challenge of Inverting Structures. <i>Langmuir</i> , 2018 , 34, 8379-8387	4	4
134	Investigation of NiOx-hole transport layers in triple cation perovskite solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 1847-1855	2.1	20
133	On the formation of BiS-cellulose nanocomposite films from bismuth xanthates and trimethylsilyl-cellulose. <i>Carbohydrate Polymers</i> , 2017 , 164, 294-300	10.3	12
132	Progress on lead-free metal halide perovskites for photovoltaic applications: a review. <i>Monatshefte Für Chemie</i> , 2017 , 148, 795-826	1.4	297
131	Biobased CellulosicCuInS2 Nanocomposites for Optoelectronic Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 3115-3122	8.3	20
130	Comparison of the solution and vacuum-processed quinacridones in homojunction photovoltaics. <i>Monatshefte Für Chemie</i> , 2017 , 148, 863-870	1.4	6
129	Comparison of chemical bath-deposited ZnO films doped with Al, Ga and In. <i>Journal of Materials Science</i> , 2017 , 52, 9410-9423	4.3	24
128	Highly transparent and conductive indium-doped zinc oxide films deposited at low substrate temperature by spray pyrolysis from water-based solutions. <i>Journal of Materials Science</i> , 2017 , 52, 8591-8602	4.3	41
127	Nickel sulfide thin films and nanocrystals synthesized from nickel xanthate precursors. <i>Journal of Materials Science</i> , 2017 , 52, 10898-10914	4.3	26

126	Synthesis and characterization of naphthalimide-functionalized polynorbornenes. <i>Monatshefte für Chemie</i> , 2017 , 148, 121-129	1.4	7
125	Dye functionalized-ROMP based terpolymers for the use as a light up-converting material via triplet-triplet annihilation. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 7535-7545	7.1	10
124	Room temperature synthesis of CuInS ₂ nanocrystals. <i>RSC Advances</i> , 2016 , 6, 106120-106129	3.7	22
123	Adsorption Studies of Organophosphonic Acids on Differently Activated Gold Surfaces. <i>Langmuir</i> , 2016 , 32, 1550-9	4	9
122	A comparison of copper indium sulfide-polymer nanocomposite solar cells in inverted and regular device architecture. <i>Synthetic Metals</i> , 2016 , 222, 115-123	3.6	13
121	Mixed side-chain geometries for aggregation control of poly(fluorene-alt-bithiophene) and their effects on photophysics and charge transport. <i>Synthetic Metals</i> , 2016 , 220, 162-173	3.6	4
120	Exploring thiol-yne based monomers as low cytotoxic building blocks for radical photopolymerization. <i>Journal of Polymer Science Part A</i> , 2016 , 54, 3484-3494	2.5	10
119	Olefin metathesis meets rubber chemistry and technology. <i>Monatshefte für Chemie</i> , 2015 , 146, 1081-1097	1.4	28
118	Dye-functionalized polymers via ring opening metathesis polymerization: principal routes and applications. <i>Monatshefte für Chemie</i> , 2015 , 146, 1063-1080	1.4	14
117	RUBBER/BRASS ADHESION LAYER ANALYSIS USING THE OLEFIN-METATHESIS METHOD. <i>Rubber Chemistry and Technology</i> , 2015 , 88, 219-233	1.7	6
116	Polymer/Nanocrystal Hybrid Solar Cells: Influence of Molecular Precursor Design on Film Nanomorphology, Charge Generation and Device Performance. <i>Advanced Functional Materials</i> , 2015 , 25, 409-420	15.6	40
115	Investigation on the formation of copper zinc tin sulphide nanoparticles from metal salts and dodecanethiol. <i>Materials Chemistry and Physics</i> , 2015 , 149-150, 94-98	4.4	5
114	Flexible polymer/copper indium sulfide hybrid solar cells and modules based on the metal xanthate route and low temperature annealing. <i>Solar Energy Materials and Solar Cells</i> , 2014 , 124, 117-125	6.4	34
113	Photo-induced crosslinking and thermal de-crosslinking in polynorbornenes bearing pendant anthracene groups. <i>European Polymer Journal</i> , 2014 , 52, 98-104	5.2	26
112	A combined approach to predict spatial temperature evolution and its consequences during FIB processing of soft matter. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 6153-8	3.6	16
111	Chemical degradation and morphological instabilities during focused ion beam prototyping of polymers. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 1658-66	3.6	19
110	Influence of TiO _x and Ti cathode interlayers on the performance and stability of hybrid solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2014 , 130, 217-224	6.4	5
109	Worldwide outdoor round robin study of organic photovoltaic devices and modules. <i>Solar Energy Materials and Solar Cells</i> , 2014 , 130, 281-290	6.4	22

108	In situ syntheses of semiconducting nanoparticles in conjugated polymer matrices and their application in photovoltaics. 2014 , 1,		3
107	Real time X-ray scattering study of the formation of ZnS nanoparticles using synchrotron radiation. <i>Materials Chemistry and Physics</i> , 2014 , 144, 310-317	4.4	4
106	Nanoimprinted comb structures in a low bandgap polymer: thermal processing and their application in hybrid solar cells. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 7633-42	9.5	9
105	Ex situ and in situ characterization of patterned photoreactive thin organic surface layers using friction force microscopy. <i>Scanning</i> , 2014 , 36, 590-8	1.6	3
104	Influence of geometry variations on the response of organic electrochemical transistors. <i>Applied Physics Letters</i> , 2013 , 103, 043308	3.4	30
103	Bismuth sulphide/polymer nanocomposites from a highly soluble bismuth xanthate precursor. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 7825	7.1	43
102	Exploring polymer/nanoparticle hybrid solar cells in tandem architecture. <i>RSC Advances</i> , 2013 , 3, 18643	3.7	17
101	Influence of the bridging atom in fluorene analogue low-bandgap polymers on photophysical and morphological properties of copper indium sulfide/polymer nanocomposite solar cells. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013 , 51, 1400-1410	2.6	12
100	Bi-axially aligned crystallites of a fluorene/bithiophene co-polymer. <i>European Polymer Journal</i> , 2013 , 49, 177-183	5.2	8
99	Solution-processed copper zinc tin sulfide thin films from metal xanthate precursors. <i>Monatshefte für Chemie</i> , 2013 , 144, 273-283	1.4	24
98	Solution-processed small molecule/copper indium sulfide hybrid solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2013 , 114, 38-42	6.4	25
97	Tuning Organic Electronics via Photoreactive Thin Organic Films. <i>Springer Series in Materials Science</i> , 2013 , 141-167	0.9	
96	Wavelength selective refractive index modulation in a ROMP derived polymer bearing phenyl- and ortho-nitrobenzyl ester groups. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 3931	7.1	26
95	Influence of morphology and polymer:nanoparticle ratio on device performance of hybrid solar cells-an approach in experiment and simulation. <i>Nanotechnology</i> , 2013 , 24, 484005	3.4	25
94	Structural characterisation of alkyl amine-capped zinc sulphide nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2012 , 369, 154-9	9.3	14
93	Synthesis and characterization of copper zinc tin chalcogenide nanoparticles: Influence of reactants on the chemical composition. <i>Solar Energy Materials and Solar Cells</i> , 2012 , 101, 87-94	6.4	55
92	Patterned Immobilization of a Luminescent Ru(II) Complex in Polymer Films Using the Photoreaction of Benzyl thiocyanate: Toward Color Emission Tuning of Electroluminescent Devices. <i>Macromolecular Chemistry and Physics</i> , 2012 , 213, 367-373	2.6	3
91	UV-induced modulation of the conductivity of polyaniline: towards a photo-patternable charge injection layer for structured organic light emitting diodes. <i>Journal of Materials Chemistry</i> , 2012 , 22, 2922-2928 ²⁶		

90	New possibilities for soft matter applications: eliminating technically induced thermal stress during FIB processing. <i>RSC Advances</i> , 2012 , 2, 6932	3.7	12
89	Comprehensive Investigation of Silver Nanoparticle/Aluminum Electrodes for Copper Indium Sulfide/Polymer Hybrid Solar Cells. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 19191-19196	3.8	16
88	Investigation of CuInS ₂ thin film formation by a low-temperature chemical deposition method. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 382-90	9.5	18
87	Copper zinc tin sulfide layers prepared from solution processable metal dithiocarbamate precursors. <i>Materials Chemistry and Physics</i> , 2012 , 136, 582-588	4.4	14
86	Reversible photochromism of polynorbornenes bearing spiropyran side groups. <i>Monatshefte für Chemie</i> , 2012 , 143, 1551-1558	1.4	14
85	Mesoporous ZnS Thin Films Prepared by a Nanocasting Route. <i>Chemistry of Materials</i> , 2012 , 24, 1837-1845	5.6	36
84	Mechanism of surface proton transfer doping in pentacene based organic thin-film transistors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012 , 209, 181-192	1.6	14
83	Photo-Fries-based photosensitive polymeric interlayers for patterned organic devices. <i>Applied Physics A: Materials Science and Processing</i> , 2012 , 107, 985-993	2.6	6
82	INVESTIGATION OF THE INFLUENCE OF STEARIC ACID ON RUBBER-BRASS ADHESION. <i>Rubber Chemistry and Technology</i> , 2012 , 85, 264-276	1.7	4
81	Investigation of the formation of CuInS ₂ nanoparticles by the oleylamine route: comparison of microwave-assisted and conventional syntheses. <i>Inorganic Chemistry</i> , 2011 , 50, 193-200	5.1	78
80	Dynamics of water confined in self-assembled monoglyceride/water/oil phases. <i>Soft Matter</i> , 2011 , 7, 1409-1417	3.6	17
79	Reductive biotransformation of nitroalkenes via nitroso-intermediates to oxazetes catalyzed by xenobiotic reductase A (XenA). <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 3364-9	3.9	31
78	Synthesis and characterization of alternating fluorene-thiophene copolymers bearing ethylene glycol side-chains. <i>Monatshefte für Chemie</i> , 2011 , 142, 193-200	1.4	2
77	An inter-laboratory stability study of roll-to-roll coated flexible polymer solar modules. <i>Solar Energy Materials and Solar Cells</i> , 2011 , 95, 1398-1416	6.4	127
76	Consensus stability testing protocols for organic photovoltaic materials and devices. <i>Solar Energy Materials and Solar Cells</i> , 2011 , 95, 1253-1267	6.4	690
75	Electron Beam-Induced Current (EBIC) in solution-processed solar cells. <i>Scanning</i> , 2011 , 33, 1-6	1.6	34
74	A Direct Route Towards Polymer/Copper Indium Sulfide Nanocomposite Solar Cells. <i>Advanced Energy Materials</i> , 2011 , 1, 1046-1050	21.8	97
73	The stoichiometry of single nanoparticles of copper zinc tin selenide. <i>Chemical Communications</i> , 2011 , 47, 2050-2	5.8	43

72	Photosensitive polymers bearing fully aromatic esters for multilayer data storage devices. <i>Journal of Materials Chemistry</i> , 2011 , 21, 2965		14
71	Self-assembled red luminescent micelles and lamellar films. <i>Journal of Materials Chemistry</i> , 2011 , 21, 15183		7
70	Influence of transport-related material parameters on the I _V characteristic of inorganic/organic hybrid solar cells. <i>Organic Electronics</i> , 2011 , 12, 1434-1445	3.5	7
69	Crystallographic structure and morphology of bithiophene-fluorene polymer nanocrystals. <i>Polymer</i> , 2011 , 52, 3368-3373	3.9	10
68	CuInS ₂ /Poly(3-(ethyl-4-butanoate)thiophene) nanocomposite solar cells: Preparation by an in situ formation route, performance and stability issues. <i>Solar Energy Materials and Solar Cells</i> , 2011 , 95, 1354-1361	6.4	44
67	Metal sulfide/polymer nanocomposite thin films prepared by a direct formation route for photovoltaic applications. <i>Thin Solid Films</i> , 2011 , 519, 4201-4206	2.2	23
66	Solar Cells based on Cu ₂ ZnSnS ₄ Thin Films Prepared from Metal Salts and Thioacetamide. <i>Materials Research Society Symposia Proceedings</i> , 2010 , 1247, 1		
65	Photochemical control of the carrier mobility in pentacene-based organic thin-film transistors. <i>Applied Physics Letters</i> , 2010 , 96, 213303	3.4	16
64	Investigation of Cu ₂ ZnSnS ₄ Formation from Metal Salts and Thioacetamide. <i>Chemistry of Materials</i> , 2010 , 22, 3399-3406	9.6	101
63	Perspectives in ¹ H, ¹⁴ N and ⁸¹ Br solid-state NMR studies of interfaces in materials textured by self-assembled amphiphiles. <i>Comptes Rendus Chimie</i> , 2010 , 13, 431-442	2.7	15
62	Photoreactive molecular layers containing aryl ester units: Preparation, UV patterning and post-exposure modification. <i>Materials Chemistry and Physics</i> , 2010 , 119, 287-293	4.4	12
61	Tuning the threshold voltage in organic thin-film transistors by local channel doping using photoreactive interfacial layers. <i>Advanced Materials</i> , 2010 , 22, 5361-5	24	38
60	Impact of energy alignment and morphology on the efficiency in inorganic/organic hybrid solar cells. <i>Organic Electronics</i> , 2010 , 11, 1999-2011	3.5	17
59	A novel concept for humidity compensated sub-ppm ammonia detection. <i>Sensors and Actuators B: Chemical</i> , 2010 , 145, 181-184	8.5	19
58	UV-induced refractive index modulation of photoreactive polymers bearing N-acylcarbazole groups. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 3507-3514	2.5	5
57	Hierarchy of adhesion forces in patterns of photoreactive surface layers. <i>Journal of Chemical Physics</i> , 2009 , 130, 044703	3.9	5
56	Continuous tuning of the threshold voltage of organic thin-film transistors by a chemically reactive interfacial layer. <i>Applied Physics A: Materials Science and Processing</i> , 2009 , 95, 43-48	2.6	12
55	pH and ionic strength responsive polyelectrolyte block copolymer micelles prepared by ring opening metathesis polymerization. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 1178-1191	2.5	41

54	Modification of para-sexiphenyl layer growth by UV induced polarity changes of polymeric substrates. <i>Organic Electronics</i> , 2009 , 10, 326-332	3.5	14
53	UV-Induced Modulation of the Refractive Index and the Surface Properties of Photoreactive Polymers Bearing N-Phenylamide Groups. <i>Macromolecules</i> , 2009 , 42, 725-731	5.5	27
52	Characterization of 11-MUA SAM formation on gold surfaces. <i>Springer Proceedings in Physics</i> , 2009 , 101-105	105	2
51	A study on the formation and thermal stability of 11-MUA SAMs on Au(111)/mica and on polycrystalline gold foils. <i>Langmuir</i> , 2009 , 25, 1427-33	4	33
50	Refractive index modulation in polymers bearing photoreactive phenyl and naphthyl ester units using different UV wavelengths. <i>Journal of Materials Chemistry</i> , 2009 , 19, 4557		29
49	Photoreactive self assembled monolayers for tuning the surface polarity. <i>Springer Proceedings in Physics</i> , 2009 , 113-117	0.2	
48	Para-Sexiphenyl Layers Grown On Light Sensitive Polymer Substrates. <i>Springer Proceedings in Physics</i> , 2009 , 23-27	0.2	
47	Heteroleptic platinum(II) complexes of 8-quinolinolates bearing electron withdrawing groups in 5-position. <i>Dalton Transactions</i> , 2008 , 4006-14	4.3	38
46	Synthesis of a Photosensitive Thiocyanate-Functionalized Trialkoxysilane and Its Application in Patterned Surface Modifications. <i>Chemistry of Materials</i> , 2008 , 20, 2009-2015	9.6	14
45	Micrometer and nanometer scale patterning using the photo-fries rearrangement: toward selective execution of molecular transformations with nanoscale spatial resolution. <i>Langmuir</i> , 2008 , 24, 12420-5	4	19
44	Investigation of primary crystallite sizes in nanocrystalline ZnS powders: comparison of microwave assisted with conventional synthesis routes. <i>Inorganic Chemistry</i> , 2008 , 47, 3014-22	5.1	24
43	Photo-Fries Rearrangement in Polymeric Media: An Investigation on Fully Aromatic Esters Containing the Naphthyl Chromophore. <i>Macromolecular Chemistry and Physics</i> , 2008 , 209, 488-498	2.6	22
42	Chemical Control of Local Doping in Organic Thin-Film Transistors: From Depletion to Enhancement. <i>Advanced Materials</i> , 2008 , 20, 3143-3148	24	61
41	Poly(norbornene)s as matrix materials for platinum tetrakis(pentafluorophenyl)porphyrin based optical oxygen sensors. <i>European Polymer Journal</i> , 2008 , 44, 2558-2566	5.2	18
40	Copper Nanoparticles in Silica 2008 , 135-141		1
39	Photolithographic Patterning of Polymer Surfaces Using the Photo-Fries Rearrangement: Selective Postexposure Reactions. <i>Chemistry of Materials</i> , 2007 , 19, 3011-3017	9.6	26
38	Microphase Separation Study of Amphiphilic ROMP Block Copolymers by SAXS and TEM. <i>Macromolecules</i> , 2007 , 40, 4592-4600	5.5	15
37	Characterizing Chemically Reactive Thin Layers: Surface Reaction of [2-[4-(Chlorosulfonyl)phenyl]ethyl]trichlorosilane with Ammonia. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 12407-12413	3.8	10

36	Heteroleptic π (N,C2)-2-phenylpyridine platinum complexes: The use of bis(pyrazolyl)borates as ancillary ligands. <i>Inorganica Chimica Acta</i> , 2007 , 360, 2767-2777	2.7	42
35	UV reactive polymers for refractive index modulation based on the photo-Fries rearrangement. <i>Polymer</i> , 2007 , 48, 1930-1939	3.9	52
34	Xanthene dye functionalized norbornenes for the use in ring opening metathesis polymerization. <i>Journal of Polymer Science Part A</i> , 2007 , 45, 1336-1348	2.5	28
33	Photoreactive Polynorbornene Bearing 4-(Diphenylamino)benzoate Groups: Synthesis and Application in Electroluminescent Devices. <i>Monatshefte für Chemie</i> , 2007 , 138, 269-276	1.4	9
32	Hybrid solar cells based on CuInS ₂ and MEH-PPV 2006 ,		5
31	Precise Tuning of Micelle, Core, and Shell Size by the Composition of Amphiphilic Block Copolymers Derived from ROMP Investigated by DLS and SAXS. <i>Macromolecules</i> , 2006 , 39, 5865-5874	5.5	61
30	Organoboron Quinolinolates with Extended Conjugated Chromophores: Synthesis, Structure, and Electronic and Electroluminescent Properties. <i>Chemistry of Materials</i> , 2006 , 18, 3539-3547	9.6	68
29	Photosensitive polynorbornene containing the benzyl thiocyanate group Synthesis and patterning. <i>Journal of Molecular Catalysis A</i> , 2006 , 254, 174-179		8
28	Ring opening metathesis polymerisation initiated by RuCl ₂ (3-bromopyridine) ₂ (H ₂ IMes)(CHPh). <i>Journal of Molecular Catalysis A</i> , 2006 , 257, 53-58		25
27	Structure and properties of new liquid crystalline cubane-1,4-dicarboxylic acid derivatives. <i>Liquid Crystals</i> , 2005 , 32, 197-205	2.3	7
26	Liquid Crystalline Polymers by Metathesis Polymerization. <i>Advances in Polymer Science</i> , 2005 , 43-87	1.3	48
25	Sol-gel synthesis of Zn-thiourea-SiO ₂ thin films from (EtO) ₃ Si(CH ₂) ₃ NHC(S)NHPH as molecular precursor. <i>Solid State Sciences</i> , 2004 , 6, 1287-1294	3.4	2
24	Investigation of thiourea-silanes as viable precursors for the sol-gel synthesis of composites containing Zn complexes. <i>Applied Surface Science</i> , 2004 , 226, 144-148	6.7	5
23	Ester type banana-shaped liquid crystalline monomers: synthesis and physical properties. <i>Journal of Materials Chemistry</i> , 2004 , 14, 2499-2506		58
22	Systematic Structural Characterization of the High-Temperature Behavior of Nearly Stoichiometric Silicon Oxycarbide Glasses. <i>Chemistry of Materials</i> , 2004 , 16, 2585-2598	9.6	155
21	Block Copolymers via ROMP Awakening the Sleeping Beauty. <i>Macromolecular Symposia</i> , 2004 , 217, 231-246	0.8	25
20	Solid State NMR and TG/MS Study on the Transformation of Methyl Groups During Pyrolysis of Pre-ceramic Precursors to SiOC Glasses. <i>Journal of Sol-Gel Science and Technology</i> , 2003 , 26, 279-283	2.3	58
19	Inorganic-organic hybrid materials From poly(methylmethacrylate) crosslinked by an organically modified oxozirconium cluster. Synthesis and characterization. <i>Polymers for Advanced Technologies</i> , 2002 , 13, 254-259	3.2	20

18	EXAFS Investigations on Nanocomposites Composed of Surface-Modified Zirconium and Zirconium/Titanium Mixed Metal Oxo Clusters and Organic Polymers. <i>Monatshefte für Chemie</i> , 2002 , 133, 919-929	1.4	8
17	Hybrid Inorganic/Organic Core/Shell Nanoparticles from Surface-Functionalized Titanium, Zirconium, and Vanadium Oxo Clusters. <i>Chemistry of Materials</i> , 2002 , 14, 4382-4389	9.6	95
16	Sol-gel processing of alkoxy-silyl-substituted nickel complexes for the preparation of highly dispersed nickel in silica. <i>New Journal of Chemistry</i> , 2002 , 26, 759-765	3.6	20
15	EXAFS Investigations on Nanocomposites Composed of Surface-Modified Zirconium and Zirconium/Titanium Mixed Metal Oxo Clusters and Organic Polymers 2002 , 183-193		
14	A New Type of Methacrylate-Substituted Oxozirconium Clusters: $[Zr_3O(OR)_5(OMc)_5]_2$ and $[Zr_3O(OR)_3(OMc)_7]_2$. <i>Monatshefte für Chemie</i> , 2001 , 132, 993-999	1.4	19
13	Swelling behavior and thermal stability of poly(methylmethacrylate) crosslinked by the oxozirconium cluster $Zr_4O_2(methacrylate)_{12}$. <i>Applied Organometallic Chemistry</i> , 2001 , 15, 401-406	3.1	78
12	Sol-gel processing of tethered metal complexes: influence of the metal and the complexing alkoxy-silane on the texture of the obtained silica gels. <i>Journal of Non-Crystalline Solids</i> , 2001 , 296, 188-200	3.9	15
11	Cross-linking of poly(methyl methacrylate) by oxozirconate and oxotitanate clusters. <i>Macromolecular Symposia</i> , 2001 , 175, 357-366	0.8	23
10	Incorporation of chromium carbenes in a silica matrix by sol-gel processing: application to aminolysis of alkoxy-carbene complexes. <i>Chemistry - A European Journal</i> , 2000 , 6, 3006-17	4.8	14
9	Structure investigation of intelligent aerogels. <i>Physica B: Condensed Matter</i> , 2000 , 276-278, 392-393	2.8	8
8	Inorganic-Organic Hybrid Polymers from Surface-Modified Oxometallate Clusters. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 628, 1		10
7	Cross-Linking of Poly(methyl methacrylate) by the Methacrylate-Substituted Oxozirconium Cluster $Zr_6(OH)_4O_4(Methacrylate)_{12}$. <i>Chemistry of Materials</i> , 2000 , 12, 602-604	9.6	50
6	Labile Complexes of the $[RuTp(pn)](+)$ (Tp = Tripyrazolylborate, pn = Ph(2)PCH(2)CH(2)NMe(2)) Fragment Including the Dinitrogen Ligand(1). <i>Inorganic Chemistry</i> , 1997 , 36, 1076-1083	5.1	45
5	Ruthenium Tris(pyrazolyl)borate Complexes. 1. Synthesis and Reactivity of $Ru(HB(pz)_3)(COD)X$ (X = Cl, Br) and $Ru(HB(pz)_3)(L_2)Cl$ (L = Nitrogen and Phosphorus Donor Ligands). <i>Organometallics</i> , 1996 , 15, 3998-4004	3.8	126
4	Control of the Dispersion of Metal Oxide Phases in Silica Gels via Organically Modified Alkoxy-silanes700-704		
3	Recent Progress in the Design of Fused-Ring Non-Fullerene Acceptors-Relations between Molecular Structure and Optical, Electronic, and Photovoltaic Properties. <i>ACS Applied Energy Materials</i> ,	6.1	9
2	NMR-Based Cross-Link Densities in EPDM and EPDM/ULDPE Blend Materials and Correlation with Mechanical Properties. <i>Macromolecular Materials and Engineering</i> ,2100968	3.9	0
1	Control of the Dispersion of Metal Oxide Phases in Silica Gels via Organically Modified Alkoxy-silanes700-704		

