Gregor Trimmel

List of Publications by Citations

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	Consensus stability testing protocols for organic photovoltaic materials and devices. *Solar Energy Materials and Solar Cells*, **2011**, 95, 1253-1267	6.4	690
160	Progress on lead-free metal halide perovskites for photovoltaic applications: a review. *Monatshefte F□ Chemie*, **2017**, 148, 795-826	1.4	297
159	Systematic Structural Characterization of the High-Temperature Behavior of Nearly Stoichiometric Silicon Oxycarbide Glasses. *Chemistry of Materials*, **2004**, 16, 2585-2598	9.6	155
158	An inter-laboratory stability study of roll-to-roll coated flexible polymer solar modules. *Solar Energy Materials and Solar Cells*, **2011**, 95, 1398-1416	6.4	127
157	Ruthenium Tris(pyrazolyl)borate Complexes. 1. Synthesis and Reactivity of Ru(HB(pz)3)(COD)X (X = Cl, Br) and Ru(HB(pz)3)(L2)Cl (L = Nitrogen and Phosphorus Donor Ligands). *Organometallics*, **1996**, 15, 3998-4004	3.8	126
156	Enhanced Performance of Germanium Halide Perovskite Solar Cells through Compositional Engineering. *ACS Applied Energy Materials*, **2018**, 1, 343-347	6.1	120
155	Investigation of Cu2ZnSnS4 Formation from Metal Salts and Thioacetamide. *Chemistry of Materials*, **2010**, 22, 3399-3406	9.6	101
154	A Direct Route Towards Polymer/Copper Indium Sulfide Nanocomposite Solar Cells. *Advanced Energy Materials*, **2011**, 1, 1046-1050	21.8	97
153	Hybrid Inorganic□Organic Core□Shell Nanoparticles from Surface-Functionalized Titanium, Zirconium, and Vanadium Oxo Clusters. *Chemistry of Materials*, **2002**, 14, 4382-4389	9.6	95
152	Investigation of the formation of CuInS2 nanoparticles by the oleylamine route: comparison of microwave-assisted and conventional syntheses. *Inorganic Chemistry*, **2011**, 50, 193-200	5.1	78
151	Swelling behavior and thermal stability of poly(methylmethacrylate) crosslinked by the oxozirconium cluster Zr4O2(methacrylate)12. *Applied Organometallic Chemistry*, **2001**, 15, 401-406	3.1	78
150	Organoboron Quinolinolates with Extended Conjugated Chromophores: Synthesis, Structure, and Electronic and Electroluminescent Properties. *Chemistry of Materials*, **2006**, 18, 3539-3547	9.6	68
149	Chemical Control of Local Doping in Organic Thin-Film Transistors: From Depletion to Enhancement. *Advanced Materials*, **2008**, 20, 3143-3148	24	61
148	Precise Tuning of Micelle, Core, and Shell Size by the Composition of Amphiphilic Block Copolymers Derived from ROMP Investigated by DLS and SAXS. *Macromolecules*, **2006**, 39, 5865-5874	5.5	61
147	Ester type banana-shaped liquid crystalline monomers: synthesis and physical properties. *Journal of Materials Chemistry*, **2004**, 14, 2499-2506		58
146	Solid State NMR and TG/MS Study on the Transformation of Methyl Groups During Pyrolysis of Preceramic Precursors to SiOC Glasses. *Journal of Sol-Gel Science and Technology*, **2003**, 26, 279-283	2.3	58
145	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	6.4	55

144	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	13	54
143	UV reactive polymers for refractive index modulation based on the photo-Fries rearrangement. *Polymer*, **2007**, 48, 1930-1939	3.9	52
142	Cross-Linking of Poly(methyl methacrylate) by the Methacrylate-Substituted Oxozirconium Cluster Zr6(OH)4O4(Methacrylate)12. *Chemistry of Materials*, **2000**, 12, 602-604	9.6	50
141	Liquid Crystalline Polymers by Metathesis Polymerization. *Advances in Polymer Science*, **2005**, 43-87	1.3	48
140	Labile Complexes of the [RuTp(pn)](+) (Tp = Tripyrazolylborate, pn = Ph(2)PCH(2)CH(2)NMe(2)) Fragment Including the Dinitrogen Ligand(1). *Inorganic Chemistry*, **1997**, 36, 1076-1083	5.1	45
139	CuInS2/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	6.4	44
138	Bismuth sulphide/polymer nanocomposites from a highly soluble bismuth xanthate precursor. *Journal of Materials Chemistry C*, **2013**, 1, 7825	7.1	43
137	The stoichiometry of single nanoparticles of copper zinc tin selenide. *Chemical Communications*, **2011**, 47, 2050-2	5.8	43
136	Heteroleptic bis(N,C2)-2-phenylpyridine platinum complexes: The use of bis(pyrazolyl)borates as ancillary ligands. *Inorganica Chimica Acta*, **2007**, 360, 2767-2777	2.7	42
135	Highly transparent and conductive indium-doped zinc oxide films deposited at low substrate temperature by spray pyrolysis from water-based solutions. *Journal of Materials Science*, **2017**, 52, 8591-8602	4.3	41
134	pH and ionic strength responsive polyelectrolyte block copolymer micelles prepared by ring opening metathesis polymerization. *Journal of Polymer Science Part A*, **2009**, 47, 1178-1191	2.5	41
133	Polymer/Nanocrystal Hybrid Solar Cells: Influence of Molecular Precursor Design on Film Nanomorphology, Charge Generation and Device Performance. *Advanced Functional Materials*, **2015**, 25, 409-420	15.6	40
132	Tuning the threshold voltage in organic thin-film transistors by local channel doping using photoreactive interfacial layers. *Advanced Materials*, **2010**, 22, 5361-5	24	38
131	Heteroleptic platinum(II) complexes of 8-quinolinolates bearing electron withdrawing groups in 5-position. *Dalton Transactions*, **2008**, 4006-14	4.3	38
130	Mesoporous ZnS Thin Films Prepared by a Nanocasting Route. *Chemistry of Materials*, **2012**, 24, 1837-1845	9.6	36
129	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	6.4	34
128	Electron Beam-Induced Current (EBIC) in solution-processed solar cells. *Scanning*, **2011**, 33, 1-6	1.6	34
127	A study on the formation and thermal stability of 11-MUA SAMs on Au(111)/mica and on polycrystalline gold foils. *Langmuir*, **2009**, 25, 1427-33	4	33

126	Reductive biotransformation of nitroalkenes via nitroso-intermediates to oxazetes catalyzed by xenobiotic reductase A (XenA). *Organic and Biomolecular Chemistry*, **2011**, 9, 3364-9	3.9	31
125	Influence of geometry variations on the response of organic electrochemical transistors. *Applied Physics Letters*, **2013**, 103, 043308	3.4	30
124	Refractive index modulation in polymers bearing photoreactive phenyl and naphthyl ester units using different UV wavelengths. *Journal of Materials Chemistry*, **2009**, 19, 4557		29
123	Olefin metathesis meets rubber chemistry and technology. *Monatshefte Für Chemie*, **2015**, 146, 1081-1097	1.4	28
122	Xanthene dye functionalized norbornenes for the use in ring opening metathesis polymerization. *Journal of Polymer Science Part A*, **2007**, 45, 1336-1348	2.5	28
121	UV-Induced Modulation of the Refractive Index and the Surface Properties of Photoreactive Polymers Bearing N-Phenylamide Groups. *Macromolecules*, **2009**, 42, 725-731	5.5	27
120	Nickel sulfide thin films and nanocrystals synthesized from nickel xanthate precursors. *Journal of Materials Science*, **2017**, 52, 10898-10914	4.3	26
119	Photo-induced crosslinking and thermal de-crosslinking in polynorbornenes bearing pendant anthracene groups. *European Polymer Journal*, **2014**, 52, 98-104	5.2	26
118	UV-induced modulation of the conductivity of polyaniline: towards a photo-patternable charge injection layer for structured organic light emitting diodes. *Journal of Materials Chemistry*, **2012**, 22, 2922-2928		26
117	Wavelength selective refractive index modulation in a ROMP derived polymer bearing phenyl- and ortho-nitrobenzyl ester groups. *Journal of Materials Chemistry C*, **2013**, 1, 3931	7.1	26
116	Photolithographic Patterning of Polymer Surfaces Using the Photo-Fries Rearrangement: Selective Postexposure Reactions. *Chemistry of Materials*, **2007**, 19, 3011-3017	9.6	26
115	Photovoltaic properties of a triple cation methylammonium/formamidinium/phenylethylammonium tin iodide perovskite. *Journal of Materials Chemistry A*, **2019**, 7, 9523-9529	13	25
114	Solution-processed small molecule/copper indium sulfide hybrid solar cells. *Solar Energy Materials and Solar Cells*, **2013**, 114, 38-42	6.4	25
113	Influence of morphology and polymer:nanoparticle ratio on device performance of hybrid solar cells-an approach in experiment and simulation. *Nanotechnology*, **2013**, 24, 484005	3.4	25
112	Ring opening metathesis polymerisation initiated by RuCl2(3-bromopyridine)2(H2IMes)(CHPh). *Journal of Molecular Catalysis A*, **2006**, 257, 53-58		25
111	Block Copolymers via ROMP Awakening the Sleeping Beauty. *Macromolecular Symposia*, **2004**, 217, 231-246	0.8	25
110	Comparison of chemical bath-deposited ZnO films doped with Al, Ga and In. *Journal of Materials Science*, **2017**, 52, 9410-9423	4.3	24
109	Solution-processed copper zinc tin sulfide thin films from metal xanthate precursors. *Monatshefte Für Chemie*, **2013**, 144, 273-283	1.4	24

108	Investigation of primary crystallite sizes in nanocrystalline ZnS powders: comparison of microwave assisted with conventional synthesis routes. *Inorganic Chemistry*, **2008**, 47, 3014-22	5.1	24
107	Metal sulfide□polymer nanocomposite thin films prepared by a direct formation route for photovoltaic applications. *Thin Solid Films*, **2011**, 519, 4201-4206	2.2	23
106	Cross-linking of poly(methyl methacrylate) by oxozirconate and oxotitanate clusters. *Macromolecular Symposia*, **2001**, 175, 357-366	0.8	23
105	Room temperature synthesis of CuInS2 nanocrystals. *RSC Advances*, **2016**, 6, 106120-106129	3.7	22
104	Worldwide outdoor round robin study of organic photovoltaic devices and modules. *Solar Energy Materials and Solar Cells*, **2014**, 130, 281-290	6.4	22
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102	A Benzobis(thiazole)-Based Copolymer for Highly Efficient Non-Fullerene Polymer Solar Cells. *Chemistry of Materials*, **2019**, 31, 919-926	9.6	22
101	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	6.1	22
100	Biobased Cellulosic□CuInS2 Nanocomposites for Optoelectronic Applications. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 3115-3122	8.3	20
99	Inorganic□organic hybrid materials□from poly(methylmethacrylate) □crosslinked by an organically modified □oxozirconium cluster. Synthesis and □characterization. *Polymers for Advanced Technologies*, **2002**, 13, 254-259	3.2	20
98	Sol-gel processing of alkoxysilyl-substituted nickel complexes for the preparation of highly dispersed nickel in silica. *New Journal of Chemistry*, **2002**, 26, 759-765	3.6	20
97	Investigation of NiOx-hole transport layers in triple cation perovskite solar cells. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 1847-1855	2.1	20
96	A Zero-Dimensional Mixed-Anion Hybrid Halogenobismuthate(III) Semiconductor: Structural, Optical, and Photovoltaic Properties. *Inorganic Chemistry*, **2018**, 57, 10576-10586	5.1	19
95	Chemical degradation and morphological instabilities during focused ion beam prototyping of polymers. *Physical Chemistry Chemical Physics*, **2014**, 16, 1658-66	3.6	19
94	A novel concept for humidity compensated sub-ppm ammonia detection. *Sensors and Actuators B: Chemical*, **2010**, 145, 181-184	8.5	19
93	Micrometer and nanometer scale patterning using the photo-fries rearrangement: toward selective execution of molecular transformations with nanoscale spatial resolution. *Langmuir*, **2008**, 24, 12420-5	4	19
92	A New Type of Methacrylate-Substituted Oxozirconium Clusters: [Zr3O(OR)5(OMc)5]2 and [Zr3O(OR)3(OMc)7]2. *Monatshefte F□ Chemie*, **2001**, 132, 993-999	1.4	19
91	Investigation of CuInS2 thin film formation by a low-temperature chemical deposition method. *ACS Applied Materials & Interfaces*, **2012**, 4, 382-90	9.5	18

90	Poly(norbornene)s as matrix materials for platinum tetrakis(pentafluorophenyl)porphyrin based optical oxygen sensors. *European Polymer Journal*, **2008**, 44, 2558-2566	5.2	18
89	Exploring polymer/nanoparticle hybrid solar cells in tandem architecture. *RSC Advances*, **2013**, 3, 18643	3.7	17
88	Dynamics of water confined in self-assembled monoglyceride/water/oil phases. *Soft Matter*, **2011**, 7, 1409-1417	3.6	17
87	Impact of energy alignment and morphology on the efficiency in inorganic/organic hybrid solar cells. *Organic Electronics*, **2010**, 11, 1999-2011	3.5	17
86	A combined approach to predict spatial temperature evolution and its consequences during FIB processing of soft matter. *Physical Chemistry Chemical Physics*, **2014**, 16, 6153-8	3.6	16
85	Comprehensive Investigation of Silver Nanoparticle/Aluminum Electrodes for Copper Indium Sulfide/Polymer Hybrid Solar Cells. *Journal of Physical Chemistry C*, **2012**, 116, 19191-19196	3.8	16
84	Photochemical control of the carrier mobility in pentacene-based organic thin-film transistors. *Applied Physics Letters*, **2010**, 96, 213303	3.4	16
83	Perspectives in 1H, 14N and 81Br solid-state NMR studies of interfaces in materials textured by self-assembled amphiphiles. *Comptes Rendus Chimie*, **2010**, 13, 431-442	2.7	15
82	Microphase Separation Study of Amphiphilic ROMP Block Copolymers by SAXS and TEM. *Macromolecules*, **2007**, 40, 4592-4600	5.5	15
81	Sol–gel processing of tethered metal complexes: influence of the metal and the complexing alkoxysilane on the texture of the obtained silica gels. *Journal of Non-Crystalline Solids*, **2001**, 296, 188-200	3.9	15
80	Dye-functionalized polymers via ring opening metathesis polymerization: principal routes and applications. *Monatshefte für Chemie*, **2015**, 146, 1063-1080	1.4	14
79	Structural characterisation of alkyl amine-capped zinc sulphide nanoparticles. *Journal of Colloid and Interface Science*, **2012**, 369, 154-9	9.3	14
78	Copper zinc tin sulfide layers prepared from solution processable metal dithiocarbamate precursors. *Materials Chemistry and Physics*, **2012**, 136, 582-588	4.4	14
77	Reversible photochromism of polynorbornenes bearing spiropyran side groups. *Monatshefte für Chemie*, **2012**, 143, 1551-1558	1.4	14
76	Mechanism of surface proton transfer doping in pentacene based organic thin-film transistors. *Physica Status Solidi (A) Applications and Materials Science*, **2012**, 209, 181-192	1.6	14
75	Photosensitive polymers bearing fully aromatic esters for multilayer data storage devices. *Journal of Materials Chemistry*, **2011**, 21, 2965		14
74	Modification of para-sexiphenyl layer growth by UV induced polarity changes of polymeric substrates. *Organic Electronics*, **2009**, 10, 326-332	3.5	14
73	Synthesis of a Photosensitive Thiocyanate-Functionalized Trialkoxysilane and Its Application in Patterned Surface Modifications. *Chemistry of Materials*, **2008**, 20, 2009-2015	9.6	14

72	Incorporation of chromium carbenes in a silica matrix by sol-gel processing: application to aminolysis of alkoxycarbene complexes. *Chemistry - A European Journal*, **2000**, 6, 3006-17	4.8	14
71	A comparison of copper indium sulfide-polymer nanocomposite solar cells in inverted and regular device architecture. *Synthetic Metals*, **2016**, 222, 115-123	3.6	13
70	On the formation of BiS-cellulose nanocomposite films from bismuth xanthates and trimethylsilyl-cellulose. *Carbohydrate Polymers*, **2017**, 164, 294-300	10.3	12
69	Influence of the bridging atom in fluorene analogue low-bandgap polymers on photophysical and morphological properties of copper indium sulfide/polymer nanocomposite solar cells. *Journal of Polymer Science, Part B: Polymer Physics*, **2013**, 51, 1400-1410	2.6	12
68	New possibilities for soft matter applications: eliminating technically induced thermal stress during FIB processing. *RSC Advances*, **2012**, 2, 6932	3.7	12
67	Continuous tuning of the threshold voltage of organic thin-film transistors by a chemically reactive interfacial layer. *Applied Physics A: Materials Science and Processing*, **2009**, 95, 43-48	2.6	12
66	Photoreactive molecular layers containing aryl ester units: Preparation, UV patterning and post-exposure modification. *Materials Chemistry and Physics*, **2010**, 119, 287-293	4.4	12
65	Hot injection synthesis of CuInS2 nanocrystals using metal xanthates and their application in hybrid solar cells. *New Journal of Chemistry*, **2019**, 43, 356-363	3.6	11
64	Dye functionalized-ROMP based terpolymers for the use as a light up-converting material via triplet□triplet annihilation. *Journal of Materials Chemistry C*, **2017**, 5, 7535-7545	7.1	10
63	Crystallographic structure and morphology of bithiophene-fluorene polymer nanocrystals. *Polymer*, **2011**, 52, 3368-3373	3.9	10
62	Characterizing Chemically Reactive Thin Layers: Surface Reaction of [2-[4-(Chlorosulfonyl)phenyl]ethyl]trichlorosilane with Ammonia. *Journal of Physical Chemistry C*, **2007**, 111, 12407-12413	3.8	10
61	Inorganic-Organic Hybrid Polymers from Surface-Modified Oxometallate Clusters. *Materials Research Society Symposia Proceedings*, **2000**, 628, 1		10
60	Exploring thiol-yne based monomers as low cytotoxic building blocks for radical photopolymerization. *Journal of Polymer Science Part A*, **2016**, 54, 3484-3494	2.5	10
59	Modification of NiOx hole transport layers with 4-bromobenzylphosphonic acid and its influence on the performance of lead halide perovskite solar cells. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 9602-9611	2.1	9
58	Adsorption Studies of Organophosphonic Acids on Differently Activated Gold Surfaces. *Langmuir*, **2016**, 32, 1550-9	4	9
57	Dependence of material properties and photovoltaic performance of triple cation tin perovskites on the iodide to bromide ratio. *Monatshefte F□ Chemie*, **2019**, 150, 1921-1927	1.4	9
56	Nanoimprinted comb structures in a low bandgap polymer: thermal processing and their application in hybrid solar cells. *ACS Applied Materials & Interfaces*, **2014**, 6, 7633-42	9.5	9
55	Photoreactive Polynorbornene Bearing 4-(Diphenylamino)benzoate Groups: Synthesis and Application in Electroluminescent Devices. *Monatshefte F□ Chemie*, **2007**, 138, 269-276	1.4	9

54	Recent Progress in the Design of Fused-Ring Non-Fullerene Acceptors-Relations between Molecular Structure and Optical, Electronic, and Photovoltaic Properties. *ACS Applied Energy Materials*,	6.1	9
53	Elucidation of Donor:Acceptor Phase Separation in Nonfullerene Organic Solar Cells and Its Implications on Device Performance and Charge Carrier Mobility. *ACS Applied Energy Materials*, **2019**, 2, 7535-7545	6.1	8
52	Bi-axially aligned crystallites of a fluorene–bithiophene co-polymer. *European Polymer Journal*, **2013**, 49, 177-183	5.2	8
51	Photosensitive polynorbornene containing the benzyl thiocyanate group–synthesis and patterning. *Journal of Molecular Catalysis A*, **2006**, 254, 174-179		8
50	EXAFS Investigations on Nanocomposites Composed of Surface-Modified Zirconium and Zirconium/Titanium Mixed Metal Oxo Clusters and Organic Polymers. *Monatshefte Für Chemie*, **2002**, 133, 919-929	1.4	8
49	Structure investigation of intelligent aerogels. *Physica B: Condensed Matter*, **2000**, 276-278, 392-393	2.8	8
48	Synthesis and characterization of naphthalimide-functionalized polynorbornenes. *Monatshefte Für Chemie*, **2017**, 148, 121-129	1.4	7
47	Self-assembled red luminescent micelles and lamellar films. *Journal of Materials Chemistry*, **2011**, 21, 15183		7
46	Influence of transport-related material parameters on the IV characteristic of inorganic–organic hybrid solar cells. *Organic Electronics*, **2011**, 12, 1434-1445	3.5	7
45	Structure and properties of new liquid crystalline cubane-1,4-dicarboxylic acid derivatives. *Liquid Crystals*, **2005**, 32, 197-205	2.3	7
44	New Solar Cell–Battery Hybrid Energy System: Integrating Organic Photovoltaics with Li-Ion and Na-Ion Technologies. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 19155-19168	8.3	7
43	Multi-layered nanoscale cellulose/CuInS sandwich type thin films. *Carbohydrate Polymers*, **2019**, 203, 219-227	10.3	7
42	Comparison of the solution and vacuum-processed quinacridones in homojunction photovoltaics. *Monatshefte Für Chemie*, **2017**, 148, 863-870	1.4	6
41	RUBBER–BRASS ADHESION LAYER ANALYSIS USING THE OLEFIN-METATHESIS METHOD. *Rubber Chemistry and Technology*, **2015**, 88, 219-233	1.7	6
40	Elemental Nanoanalysis of Interfacial Alumina–Aryl Fluoride Interactions in Fullerene-Free Organic Tandem Solar Cells. *Advanced Materials Interfaces*, **2019**, 6, 1901053	4.6	6
39	Photo-Fries-based photosensitive polymeric interlayers for patterned organic devices. *Applied Physics A: Materials Science and Processing*, **2012**, 107, 985-993	2.6	6
38	The effect of alkylthio substituents on the photovoltaic properties of conjugated polymers. *Organic Electronics*, **2019**, 68, 50-55	3.5	5
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33	Hybrid solar cells based on CuInS2 and MEH-PPV **2006**,		5
32	Investigation of thiourea-silanes as viable precursors for the sol□gel synthesis of composites containing Zn□ complexes. *Applied Surface Science*, **2004**, 226, 144-148	6.7	5
31	Synthesis of a tetrazine-quaterthiophene copolymer and its optical, structural and photovoltaic properties. *Journal of Materials Science*, **2019**, 54, 10065-10076	4.3	4
30	Reverse Hexosome Dispersions in Alkanes-The Challenge of Inverting Structures. *Langmuir*, **2018**, 34, 8379-8387	4	4
29	Real time X-ray scattering study of the formation of ZnS nanoparticles using synchrotron radiation. *Materials Chemistry and Physics*, **2014**, 144, 310-317	4.4	4
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26	Lowering the Interfacial Resistance in Li6.4La3Zr1.4Ta0.6O12|Poly(Ethylene Oxide) Composite Electrolytes. *Cell Reports Physical Science*, **2020**, 1, 100214	6.1	4
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24	Mixed side-chain geometries for aggregation control of poly(fluorene-alt-bithiophene) and their effects on photophysics and charge transport. *Synthetic Metals*, **2016**, 220, 162-173	3.6	4
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21	In situ syntheses of semiconducting nanoparticles in conjugated polymer matrices and their application in photovoltaics. **2014**, 1,		3
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19	Patterned Immobilization of a Luminescent Ru(II) Complex in Polymer Films Using the Photoreaction of Benzyl thiocyanate: Toward Color Emission Tuning of Electroluminescent Devices. *Macromolecular Chemistry and Physics*, **2012**, 213, 367-373	2.6	3

18	Wide-bandgap organic solar cells with a novel perylene-based non-fullerene acceptor enabling open-circuit voltages beyond 1.4 V.. *Journal of Materials Chemistry A*, **2022**, 10, 2888-2906	13	3
17	Synthesis and characterization of alternating fluorene-thiophene copolymers bearing ethylene glycol side-chains. *Monatshefte F Chemie*, **2011**, 142, 193-200	1.4	2
16	Characterization of 11-MUA SAM formation on gold surfaces. *Springer Proceedings in Physics*, **2009**, 101-105	0.2	2
15	Sol gel synthesis of Zn-thiourea-SiO2 thin films from (EtO)3Si(CH2)3NHC(S)NHPh as molecular precursor. *Solid State Sciences*, **2004**, 6, 1287-1294	3.4	2
14	The electron beam freeform fabrication of NiTi shape memory alloys. Part I: Microstructure and physical chemical behavior. *Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications*, **2021**, 235, 709-716	1.3	2
13	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. *Dalton Transactions*, **2020**, 49, 14564-14575	4.3	2
12	A pyrrolopyridazinedione-based copolymer for fullerene-free organic solar cells. *New Journal of Chemistry*, **2021**, 45, 1001-1009	3.6	2
11	Phenylene-Bridged Perylene Monoimides as Acceptors for Organic Solar Cells - A Study on the Structure-Properties Relationship.. *Chemistry - A European Journal*, **2022**,	4.8	2
10	Copper Nanoparticles in Silica **2008**, 135-141		1
9	Honeycomb-structured copper indium sulfide thin films obtained via a nanosphere colloidal lithography method. *Materials Advances*, **2022**, 3, 2884-2895	3.3	0
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4	EXAFS Investigations on Nanocomposites Composed of Surface-Modified Zirconium and Zirconium/Titanium Mixed Metal Oxo Clusters and Organic Polymers **2002**, 183-193		
3	Photoreactive self assembled monolayers for tuning the surface polarity. *Springer Proceedings in Physics*, **2009**, 113-117	0.2	
2	Para-Sexiphenyl Layers Grown On Light Sensitive Polymer Substrates. *Springer Proceedings in Physics*, **2009**, 23-27	0.2	
1	Control of the Dispersion of Metal Oxide Phases in Silica Gels via Organically Modified Alkoxysilanes700-704		