

Thomas Griesser

List of Publications by Year in descending order

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83
papers

1,710
citations

218592

26
h-index

345118

36
g-index

86
all docs

86
docs citations

86
times ranked

2416
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein repellent anti-coagulative mixed-charged cellulose derivative coatings. Carbohydrate Polymers, 2021, 254, 117437.	5.1	8
2	Digital light processing 3D printing with thiolâ€“acrylate vitrimers. Polymer Chemistry, 2021, 12, 639-644.	1.9	53
3	Self-Reducing Silver Ink on Polyurethane Elastomers for the Manufacture of Thin and Highly Stretchable Electrical Circuits. Chemistry of Materials, 2021, 33, 2742-2755.	3.2	18
4	Hybrid silica micro-particles with light-responsive surface properties and Janus-like character. Polymer Chemistry, 2021, 12, 3925-3938.	1.9	2
5	Synthesis and characterization of diacylgermanes: persistent derivatives with superior photoreactivity. Dalton Transactions, 2021, 50, 11965-11974.	1.6	4
6	Microstructural Effects on the Interfacial Adhesion of Nanometer-Thick Cu Films on Glass Substrates: Implications for Microelectronic Devices. ACS Applied Nano Materials, 2021, 4, 61-70.	2.4	8
7	Tailored Interfaces in Fiber-Reinforced Elastomers: A Surface Treatment Study on Optimized Load Coupling via the Modified Fiber Bundle Debond Technique. Polymers, 2021, 13, 36.	2.0	3
8	Recent Advances in Functional Polymers Containing Coumarin Chromophores. Polymers, 2021, 13, 56.	2.0	31
9	The Chemistry of Acylgermanes: Triacylgermenolates Represent Valuable Building Blocks for the Synthesis of a Variety of Germanium-Based Photoinitiators. Inorganic Chemistry, 2020, 59, 15204-15217.	1.9	18
10	3D multiphoton lithography using biocompatible polymers with specific mechanical properties. Nanoscale Advances, 2020, 2, 2422-2428.	2.2	17
11	Exploiting the Carbon and Oxa Michael Addition Reaction for the Synthesis of Yne Monomers: Towards the Conversion of Acrylates to Biocompatible Building Blocks. ChemPhotoChem, 2020, 4, 476-480.	1.5	2
12	Photo-switching of surface wettability on micropatterned photopolymers for fast transport of water droplets over a long-distance. Polymer Chemistry, 2020, 11, 3125-3135.	1.9	20
13	Single-step fabrication and work function engineering of Langmuir-Blodgett assembled few-layer graphene films with Li and Au salts. Scientific Reports, 2020, 10, 8476.	1.6	11
14	Molecularly imprinted polymers by thiolâ€“yne chemistry: making imprinting even easier. Polymer Chemistry, 2019, 10, 4732-4739.	1.9	10
15	Chemical versus physical grafting of photoluminescent amino-functional carbon dots onto transparent nematic nanocellulose gels and aerogels. Cellulose, 2019, 26, 7781-7796.	2.4	15
16	Photopatternable Epoxy-Based Thermosets. Materials, 2019, 12, 2350.	1.3	6
17	UV-Induced reduction of graphene oxide in cellulose nanofibril composites. New Journal of Chemistry, 2019, 43, 681-688.	1.4	35
18	Directed motion of water droplets on multi-gradient photopolymer surfaces. Polymer Chemistry, 2019, 10, 1882-1893.	1.9	24

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19	Switching "on" and "off" the adhesion in stimuli-responsive elastomers. <i>Soft Matter</i> , 2018, 14, 2547-2559.	1.2	34
20	Influence of Environmentally Affected Hole-Transport Layers on Spatial Homogeneity and Charge-Transport Dynamics of Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 10102-10114.	4.0	17
21	Characterization of Surface and Structure of In Situ Doped Sol-Gel-Derived Silicon Carbide. <i>Advanced Engineering Materials</i> , 2018, 20, 1701067.	1.6	8
22	Inkjet Printed Wiring Boards with Vertical Interconnect Access on Flexible, Fully Compostable Cellulose Substrates. <i>Advanced Materials Technologies</i> , 2018, 3, 1700250.	3.0	9
23	Dual-Responsive Polydimethylsiloxane Networks. <i>Journal of Polymer Science Part A</i> , 2018, 56, 2319-2329.	2.5	9
24	Inkjet Printing of Soft, Stretchable Optical Waveguides through the Photopolymerization of High-Profile Linear Patterns. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 4941-4947.	4.0	34
25	Enhancing the stability of UV-curable thiol/vinyl carbonate resins. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	8
26	Investigating Photocurable Thiol-Yne Resins for Biomedical Materials. <i>Macromolecular Materials and Engineering</i> , 2017, 302, 1600450.	1.7	16
27	Highly Water-Soluble Alpha-Hydroxyalkylphenone Based Photoinitiator for Low-Migration Applications. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1700022.	1.1	20
28	One-Step Noncovalent Surface Functionalization of PDMS with Chitosan-Based Bioparticles and Their Protein-Repellent Properties. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700416.	1.9	19
29	Amoxidized Fenton-Activated Pine Kraft Lignin Accelerates Synthesis and Curing of Resole Resins. <i>Polymers</i> , 2017, 9, 43.	2.0	9
30	Cantilever bending based on humidity-actuated mesoporous silica/silicon bilayers. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 637-644.	1.5	15
31	Silicon-based mercaptans: High-performance monomers for thiol-yne photopolymerization. <i>Journal of Polymer Science Part A</i> , 2016, 54, 418-424.	2.5	11
32	Design and application of photo-reversible elastomer networks by using the [4+4] cycloaddition reaction of pendant anthracene groups. <i>Polymer</i> , 2016, 102, 10-20.	1.8	37
33	Data on synthesis and thermo-mechanical properties of stimuli-responsive rubber materials bearing pendant anthracene groups. <i>Data in Brief</i> , 2016, 9, 524-529.	0.5	1
34	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	12
35	Reactive cellulose-based thin films "a" concept for multifunctional polysaccharide surfaces. <i>RSC Advances</i> , 2016, 6, 72378-72385.	1.7	7
36	Exploring Network Formation of Tough and Biocompatible Thiol-Yne Based Photopolymers. <i>Macromolecular Rapid Communications</i> , 2016, 37, 1701-1706.	2.0	33

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37	Tough and degradable photopolymers derived from alkyne monomers for 3D printing of biomedical materials. <i>Polymer Chemistry</i> , 2016, 7, 5169-5180.	1.9	86
38	Vinylcarbonates as low-toxic monomers for digital ink-jet inks: Promising alternatives to acrylate based systems. <i>Progress in Organic Coatings</i> , 2016, 94, 116-123.	1.9	13
39	Microwave-Assisted Syntheses in Recyclable Ionic Liquids: Photoresists Based on Renewable Resources. <i>ChemSusChem</i> , 2015, 8, 3401-3404.	3.6	18
40	Photocleavable epoxy based materials. <i>Polymer</i> , 2015, 69, 159-168.	1.8	19
41	Cellulose-Derivative-Based Gate Dielectric for High-Performance Organic Complementary Inverters. <i>Advanced Materials</i> , 2015, 27, 7645-7656.	11.1	69
42	Photolithographic patterning of cellulose: a versatile dual-tone photoresist for advanced applications. <i>Cellulose</i> , 2015, 22, 717-727.	2.4	49
43	Cellulose based thin films as a platform for drug release studies to mimick wound dressing materials. <i>Cellulose</i> , 2015, 22, 749-761.	2.4	56
44	New water-based sol-gel synthesis routes for $\text{LaNi}_0.6\text{Fe}_0.4\text{O}_{3-\delta}$ thin films. <i>Solid State Ionics</i> , 2015, 273, 30-34.	1.3	0
45	Comparative investigation of different silane surface functionalizations of fullerene-like WS ₂ . <i>Journal of Materials Science</i> , 2015, 50, 5125-5135.	1.7	11
46	Versatile thiol-based reactions for micrometer- and nanometer-scale photopatterning of polymers and biomolecules. <i>Journal of Materials Chemistry B</i> , 2015, 3, 4431-4438.	2.9	10
47	New strategies towards reversible and mendable epoxy based materials employing [4+4] photocycloaddition and thermal cycloreversion of pendant anthracene groups. <i>Polymer</i> , 2015, 80, 76-87.	1.8	50
48	Photoregeneration of Trimethylsilyl Cellulose as a Tool for Microstructuring Ultrathin Cellulose Supports. <i>Molecules</i> , 2014, 19, 16266-16273.	1.7	11
49	Christian Doppler Laboratory for Functional and Polymer Based Ink-jet Inks. <i>BHM-Zeitschrift Fuer Rohstoffe Geotechnik Metallurgie Werkstoffe Maschinen-Und Anlagentechnik</i> , 2014, 159, 50-54.	0.4	1
50	Photo-induced crosslinking and thermal de-crosslinking in polynorbornenes bearing pendant anthracene groups. <i>European Polymer Journal</i> , 2014, 52, 98-104.	2.6	30
51	Preparation of PDMS ultrathin films and patterned surface modification with cellulose. <i>RSC Advances</i> , 2014, 4, 11955-11961.	1.7	45
52	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.	3.0	5
53	Dissolution Testing of Hardly Soluble Materials by Surface Sensitive Techniques: Clotrimazole from an Insoluble Matrix. <i>Pharmaceutical Research</i> , 2014, 31, 2708-2715.	1.7	6
54	Ex situ and in situ characterization of patterned photoreactive thin organic surface layers using friction force microscopy. <i>Scanning</i> , 2014, 36, 590-598.	0.7	4

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55	Direct extreme UV-lithographic conversion of metal xanthates into nanostructured metal sulfide layers for hybrid photovoltaics. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11135.	5.2	24
56	High performance p-type organic thin film transistors with an intrinsically photopatternable, ultrathin polymer dielectric layer. <i>Organic Electronics</i> , 2013, 14, 3070-3082.	1.4	30
57	Cross-linking of ROMP derived polymers using the two-photon induced thiol-ene reaction: towards the fabrication of 3D-polymer microstructures. <i>Polymer Chemistry</i> , 2013, 4, 1708.	1.9	22
58	Interactions of a cationic cellulose derivative with an ultrathin cellulose support. <i>Carbohydrate Polymers</i> , 2013, 92, 1046-1053.	5.1	27
59	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.	2.7	29
60	Cellulose as biodegradable high- κ dielectric layer in organic complementary inverters. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	65
61	Novel temperature dependent tensile test of freestanding copper thin film structures. <i>Review of Scientific Instruments</i> , 2012, 83, 064702.	0.6	25
62	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.	6.7	29
63	Crystallization of pentacene thin films on polymeric dielectrics. <i>Synthetic Metals</i> , 2012, 161, 2598-2602.	2.1	8
64	Reversible photochromism of polynorbornenes bearing spiropyran side groups. <i>Monatshefte für Chemie</i> , 2012, 143, 1551-1558.	0.9	15
65	Photo-Fries-based photosensitive polymeric interlayers for patterned organic devices. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 107, 985-993.	1.1	9
66	Patterned immobilisation of silicon dioxide nanoparticles on the surface of a photosensitive polymer. <i>Thin Solid Films</i> , 2012, 520, 1789-1793.	0.8	1
67	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.	1.1	3
68	Water-Developable Poly(2-oxazoline)-Based Negative Photoresists. <i>Macromolecular Rapid Communications</i> , 2012, 33, 396-400.	2.0	30
69	Photosensitive polymers bearing fully aromatic esters for multilayer data storage devices. <i>Journal of Materials Chemistry</i> , 2011, 21, 2965.	6.7	16
70	Ring Opening Metathesis Polymerization Derived Polymers as Photoresists: Making Use of Thiol-ene Chemistry. <i>Macromolecular Rapid Communications</i> , 2011, 32, 518-522.	2.0	35
71	Photoreactive molecular layers containing aryl ester units: Preparation, UV patterning and post-exposure modification. <i>Materials Chemistry and Physics</i> , 2010, 119, 287-293.	2.0	12
72	Tuning the Threshold Voltage in Organic Thin-Film Transistors by Local Channel Doping Using Photoreactive Interfacial Layers. <i>Advanced Materials</i> , 2010, 22, 5361-5365.	11.1	44

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73	UV-Induced refractive index modulation of photoreactive polymers bearing <i>N</i> -cyclohexylcarbazole groups. <i>Journal of Polymer Science Part A</i> , 2010, 48, 3507-3514.	2.5	5
74	Photochemical control of the carrier mobility in pentacene-based organic thin-film transistors. <i>Applied Physics Letters</i> , 2010, 96, 213303.	1.5	17
75	UV-Induced Modulation of the Refractive Index and the Surface Properties of Photoreactive Polymers Bearing <i>N</i> -Phenylamide Groups. <i>Macromolecules</i> , 2009, 42, 725-731.	2.2	30
76	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, 1427-1433.	1.6	39
77	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.	6.7	33
78	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.	1.1	23
79	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, 12420-12425.	1.6	21
80	Photolithographic Patterning of Polymer Surfaces Using the Photo-Fries Rearrangement: Selective Postexposure Reactions. <i>Chemistry of Materials</i> , 2007, 19, 3011-3017.	3.2	28
81	Photoreactive Polynorbornene Bearing 4-(Diphenylamino)benzoate Groups: Synthesis and Application in Electroluminescent Devices. <i>Monatshefte für Chemie</i> , 2007, 138, 269-276.	0.9	10
82	Hybrid solar cells based on CuInS ₂ and MEH-PPV. , 2006, , .		7
83	Isolable Stannolates Enable the Synthesis of Visible-Light Photoinitiators. <i>ChemPhotoChem</i> , 0, , .	1.5	5