Ralf Thomann

List of Publications by Year
in descending order

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39 papers	1,886 citations	361045 20 h-index	315357 38 g-index
39 all docs	39 docs citations	39 times ranked	3054 citing authors

#	Article	IF	Citations
1	An Artificial SEI Layer Based on an Inorganic Coordination Polymer with Selfâ€Healing Ability for Longâ€Lived Rechargeable Lithiumâ€Metal Batteries. Batteries and Supercaps, 2022, 5, .	2.4	8
2	Analysis of the Growth of Laterally Aligned SnO₂ Nanowires by Thermodynamic Considerations and Experiments. Crystal Growth and Design, 2021, 21, 191-199.	1.4	7
3	Nanoconfined Crosslinked Poly(ionic liquid)s with Unprecedented Selective Swelling Properties Obtained by Alkylation in Nanophase-Separated Poly(1-vinylimidazole)-l-poly(tetrahydrofuran) Conetworks. Polymers, 2020, 12, 2292.	2.0	17
4	The Scissors Effect in Action: The Fox-Flory Relationship between the Glass Transition Temperature of Crosslinked Poly(Methyl Methacrylate) and Mc in Nanophase Separated Poly(Methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 687 Td (Met	13	17
5	Graphene oxide grafted with polyoxazoline as thermoresponsive support for facile catalyst recycling by reversible thermal switching between dispersion and sedimentation. Polymer, 2019, 178, 121553.	1.8	7
6	Tailoring Hexagonal Gibbsite Single Crystal Nanoplatelets for Ethylene Polymerization and Nanocomposite Formation on MAOâ€Free Heterogeneous Bis(imino)pyridine Iron(II) Catalyst. Macromolecular Rapid Communications, 2019, 40, e1900015.	2.0	3
7	Tailoring Mono-, Bi-, and Trimodal Molar Mass Distributions and All-Hydrocarbon Composites by Ethylene Polymerization on Bis(imino)pyridine Chromium(III) Supported on Ultrathin Gibbsite Single Crystal Nanoplatelets. Macromolecules, 2019, 52, 2701-2711.	2.2	12
8	Melt-Processable Nacre-Mimetic Hydrocarbon Composites via Polymer 1D Nanostructure Formation. Macromolecules, 2019, 52, 9272-9279.	2.2	2
9	All-polyethylene composites reinforced via extended-chain UHMWPE nanostructure formation during melt processing. Polymer, 2018, 140, 107-116.	1.8	28
10	Synergetic effects of Fe³⁺ doped spinel Li₄Ti₅O₁₂ nanoparticles on reduced graphene oxide for high surface electrode hybrid supercapacitors. Nanoscale, 2018, 10, 1877-1884.	2.8	163
11	Thermoplastic SEBS Elastomer Nanocomposites Reinforced with Functionalized Graphene Dispersions. Macromolecular Materials and Engineering, 2018, 303, 1700324.	1.7	22
12	Processingâ€“Nanostructureâ€“Property Relationships of Allâ€Polyethylene Composites Reinforced by Flowâ€Induced Oriented Crystallization of UHMWPE. Macromolecular Materials and Engineering, 2018, 303, 1800022.	1.7	13
13	3D Powder Printed Bioglass and Î²-Tricalcium Phosphate Bone Scaffolds. Materials, 2018, 11, 13.	1.3	71
14	KÃ¼lÃ¶nleges nanoszerkezetÃ» amfifil kotÃ©rhÃ¡lÃ³ alapÃº gÃ©lek Ã©s nanohibridjeik. Magyar Kemiai Folyoirat, Kemiai Kozlemenyek, 2018, 124, 171-176.	0.0	0
15	Nanophasic morphologies as a function of the composition and molecular weight of the macromolecular cross-linker in poly(N-vinylimidazole)-l-poly(tetrahydrofuran) amphiphilic conetworks: bicontinuous domain structure in broad composition ranges. RSC Advances, 2017, 7, 6827-6834.	1.7	20
16	Tailored Nanostructured HDPE Wax/UHMWPE Reactor Blends as Additives for Melt-Processable All-Polyethylene Composites and in Situ UHMWPE Fiber Reinforcement. Macromolecules, 2017, 50, 8129-8139.	2.2	49
17	Disordered Conformation with Low Pii Helix in Phosphoproteins Orchestrates Biomimetic Apatite Formation. Advanced Materials, 2017, 29, 1701629.	11.1	19
18	Thermal conductivity, morphology and mechanical properties for thermally reduced graphite oxide-filled ethylene vinylacetate copolymers. Polymer, 2017, 132, 294-305.	1.8	14

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19	Tripod USPIONs with high aspect ratio show enhanced T2 relaxation and cytocompatibility. Nanomedicine, 2016, 11, 1017-1030.	1.7	12
20	Charge transfer and surface defect healing within ZnO nanoparticle decorated graphene hybrid materials. Nanoscale, 2016, 8, 9682-9687.	2.8	74
21	Synthesis of Poly(methyl methacrylate)-poly(poly(ethylene glycol) methacrylate)-polyisobutylene ABCBA Pentablock Copolymers by Combining Quasiliving Carbocationic and Atom Transfer Radical Polymerizations and Characterization Thereof. Journal of Macromolecular Science - Pure and Applied Chemistry, 2015, 52, 252-259.	1.2	10
22	Thermoplastic Carbon/Polyamide 12 Composites Containing Functionalized Graphene, Expanded Graphite, and Carbon Nanofillers. Macromolecular Materials and Engineering, 2014, 299, 1329-1342.	1.7	33
23	Functionalized Graphene and Carbon Materials as Components of Styrene-Butadiene Rubber Nanocomposites Prepared by Aqueous Dispersion Blending. Macromolecular Materials and Engineering, 2014, 299, 319-329.	1.7	72
24	Rheology, Electrical Properties, and Percolation of TRGOâ€Filled EVAâ€Copolymers. Macromolecular Materials and Engineering, 2014, 299, 1134-1144.	1.7	16
25	Self-Initiated Free Radical Grafting of Styrene Homo- and Copolymers onto Functionalized Graphene. Macromolecules, 2013, 46, 5488-5496.	2.2	68
26	Mn-substituted spinel Li4Ti5O12 materials studied by multifrequency EPR spectroscopy. Journal of Materials Chemistry A, 2013, 1, 9973.	5.2	74
27	Functionalized Graphene and Carbon Materials as Additives for Meltâ€‹scp›E‹/scp›xtruded Flame Retardant Polypropylene. Macromolecular Materials and Engineering, 2013, 298, 1322-1334.	1.7	58
28	Tuning the Growth Mechanism of ZnO Nanowires by Controlled Carrier and Reaction Gas Modulation in Thermal CVD. Journal of Physical Chemistry Letters, 2012, 3, 2815-2821.	2.1	40
29	Polyurethane nanocomposites prepared from solvent-free stable dispersions of functionalized graphene nanosheets in polyols. Polymer, 2012, 53, 4931-4939.	1.8	74
30	Sulfur-Functionalized Graphenes as Macro-Chain-Transfer and RAFT Agents for Producing Graphene Polymer Brushes and Polystyrene Nanocomposites. Macromolecules, 2012, 45, 7083-7090.	2.2	63
31	From Bioconjugation to Selfâ€Assembly in Nanobiotechnology: Quantum Dots Trapped and Stabilized by Toroid Protein Yoctowells. Advanced Engineering Materials, 2012, 14, B344.	1.6	9
32	Protein yoctowell nanoarchitectures: assembly of donut shaped protein containers and nanofibres. Soft Matter, 2011, 7, 2875.	1.2	10
33	Synthesis and characterization of semicrystalline triblockcopolymers of isotactic polystyrene and polydimethylsiloxane. Journal of Polymer Science Part A, 2011, 49, 2339-2345.	2.5	9
34	Functionalized Graphenes and Thermoplastic Nanocomposites Based upon Expanded Graphite Oxide. Macromolecular Rapid Communications, 2009, 30, 316-327.	2.0	482
35	Hollow Silica Nanospheres:â€‰ In situ, Semi-In situ, and Two-Step Synthesis. Chemistry of Materials, 2007, 19, 1700-1703.	3.2	73
36	Metallized Organoclays as New Intermediates for Aqueous Nanohybrid Dispersions, Nanohybrid Catalysts and Antimicrobial Polymer Hybrid Nanocomposites. Macromolecular Materials and Engineering, 2005, 290, 875-883.	1.7	62

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37	New Nanophase Separated Intelligent Amphiphilic Conetworks and Gels. Macromolecular Symposia, 2005, 227, 265-274.	0.4	51
38	Nanophase Separated Amphiphilic Conetwork Coatings and Membranes. Macromolecules, 2005, 38, 2431-2438.	2.2	104
39	Synthesis and Characterisation of Anhydride-Cured Epoxy Nanocomposites Containing Layered Silicates Modified with Phenolic Alkylimidazolineamide Cations. Macromolecular Materials and Engineering, 2004, 289, 13-19.	1.7	29