

Florian J Stadler

List of Publications by Year in descending order

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328
papers

14,046
citations

20036

63
h-index

39744

98
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337
all docs

337
docs citations

337
times ranked

15015
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of a Z-scheme Zn ₃ V ₂ O ₈ /g-C ₃ N ₄ nano-heterojunction with high interfacial charge transfer for superior photocatalytic removal of diazinon pesticide under visible light. <i>Applied Nanoscience (Switzerland)</i> , 2023, 13, 3643-3658.	1.6	6
2	Accelerated charge transfer in well-designed S-scheme Fe@TiO ₂ /Boron carbon nitride heterostructures for high performance tetracycline removal and selective photo-reduction of CO ₂ greenhouse gas into CH ₄ fuel. <i>Chemosphere</i> , 2022, 287, 132301.	4.2	35
3	Adsorption of cationic dyes onto carrageenan and itaconic acid-based superabsorbent hydrogel: Synthesis, characterization and isotherm analysis. <i>Journal of Hazardous Materials</i> , 2022, 421, 126729.	6.5	100
4	Graphene foam as a stable anode material in lithium-ion batteries. <i>International Journal of Energy Research</i> , 2022, 46, 5226-5234.	2.2	12
5	A comprehensive review on the removal of noxious pollutants using carrageenan based advanced adsorbents. <i>Chemosphere</i> , 2022, 289, 133100.	4.2	29
6	Metallic and bimetallic phosphides-based nanomaterials for photocatalytic hydrogen production and water detoxification: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 597-632.	8.3	12
7	Human Organs-on-Chips: A Review of the State-of-the-Art, Current Prospects, and Future Challenges. <i>Advanced Biology</i> , 2022, 6, e2000526.	1.4	21
8	Chitosan-based inks for 3D printing and bioprinting. <i>Green Chemistry</i> , 2022, 24, 62-101.	4.6	76
9	Cure Kinetics of Samarium-Doped Fe ₃ O ₄ /Epoxy Nanocomposites. <i>Journal of Composites Science</i> , 2022, 6, 29.	1.4	7
10	Multiple interval thixotropic test (miTT) – an advanced tool for the rheological characterization of emulsions and other colloidal systems. <i>Rheologica Acta</i> , 2022, 61, 229-242.	1.1	5
11	Synergic magnetoresistance of graphene foam and topological insulators. <i>Materials Letters</i> , 2022, 313, 131735.	1.3	0
12	Activated Carbon as Superadsorbent and Sustainable Material for Diverse Applications. <i>Adsorption Science and Technology</i> , 2022, 2022, .	1.5	40
13	Gum Acacia-Crosslinked-Poly(Acrylamide) Hydrogel Supported C ₃ N ₄ /BiOI Heterostructure for Remediation of Noxious Crystal Violet Dye. <i>Materials</i> , 2022, 15, 2549.	1.3	6
14	Chitosan as a Tool for Sustainable Development: A Mini Review. <i>Polymers</i> , 2022, 14, 1475.	2.0	40
15	Fabrication and Characterization of Xanthan Gum-cl-poly(acrylamide-co-alginic acid) Hydrogel for Adsorption of Cadmium Ions from Aqueous Medium. <i>Gels</i> , 2022, 8, 23.	2.1	22
16	Visible-light driven dual heterojunction formed between g-C ₃ N ₄ /BiOCl@MXene-Ti ₃ C ₂ for the effective degradation of tetracycline. <i>Environmental Pollution</i> , 2022, 308, 119597.	3.7	20
17	Water-Soluble and -Insoluble Polymers and Biopolymers for Biomedical, Environmental, and Biological Applications. <i>Polymers</i> , 2022, 14, 2386.	2.0	0
18	Carbon quantum dots embedded trimetallic oxide: Characterization and photocatalytic degradation of Ofloxacin. <i>Journal of Water Process Engineering</i> , 2022, 48, 102853.	2.6	2

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19	Titania nanotube array decorated in polymer matrix as a free-standing anode material for lithium-ion batteries. <i>Materials Today Communications</i> , 2021, 26, 101760.	0.9	2
20	Silicate glass matrix@Cu ₂ O/Cu ₂ V ₂ O ₇ p-n heterojunction for enhanced visible light photo-degradation of sulfamethoxazole: High charge separation and interfacial transfer. <i>Journal of Hazardous Materials</i> , 2021, 402, 123790.	6.5	95
21	In-situ crosslinked hydrogel based on amidated pectin/oxidized chitosan as potential wound dressing for skin repairing. <i>Carbohydrate Polymers</i> , 2021, 251, 117005.	5.1	127
22	Construction of dual Z-scheme g-C ₃ N ₄ /Bi ₄ Ti ₃ O ₁₂ /Bi ₄ O ₅ I ₂ heterojunction for visible and solar powered coupled photocatalytic antibiotic degradation and hydrogen production: Boosting via $h\nu$ /I 3 $^{\cdot-}$ and Bi ³⁺ /Bi ⁵⁺ redox mediators. <i>Applied Catalysis B: Environmental</i> , 2021, 284, 119808.	10.8	252
23	Atomic simulation of adsorption of SO ₂ pollutant by metal (Zn, Be)-oxide and Ni-decorated graphene: a first-principles study. <i>Journal of Molecular Modeling</i> , 2021, 27, 70.	0.8	11
24	Biomimetic electrospun tubular PLLA/gelatin nanofiber scaffold promoting regeneration of sciatic nerve transection in SD rat. <i>Materials Science and Engineering C</i> , 2021, 121, 111858.	3.8	36
25	Preparation, thermoresponsive behavior, and preliminary biological study of functionalized poly(N-isopropylacrylamide-co-dopamine methacrylamide) copolymers with an organotin(IV) compound. <i>Polymer Testing</i> , 2021, 94, 107046.	2.3	2
26	Toward Olefin Multiblock Copolymers with Tailored Properties: A Molecular Perspective. <i>Macromolecular Theory and Simulations</i> , 2021, 30, 2100003.	0.6	3
27	Rheology of Conjugated Polymers with Bulky and Flexible Side Chains. <i>Macromolecules</i> , 2021, 54, 4061-4069.	2.2	4
28	Fracture behavior of SiGe nanosheets: Mechanics of monocrystalline vs. polycrystalline structure. <i>Engineering Fracture Mechanics</i> , 2021, 251, 107782.	2.0	15
29	Utilization of Ag ₂ O@Al ₂ O ₃ @ZrO ₂ decorated onto rGO as adsorbent for the removal of Congo red from aqueous solution. <i>Environmental Research</i> , 2021, 197, 111179.	3.7	38
30	Surface Tension of the Oxide Skin of Gallium-Based Liquid Metals. <i>Langmuir</i> , 2021, 37, 9017-9025.	1.6	65
31	Effect of n-Alkyl Side Chain Length on the Thermal and Rheological Properties of Poly N-(3-(alkylamino) Tj ETQq1 1 0.784314 2021, 222, 2100118.	1.1	1
32	Synthesis, characterization and performance enhancement of dry polyaniline-coated neuroelectrodes for electroencephalography measurement. <i>Current Applied Physics</i> , 2021, 27, 43-50.	1.1	9
33	Adsorptional-photocatalytic removal of fast sulphon black dye by using chitin-cl-poly(itaconic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 2021, 416, 125714.	6.5	102
34	Response Curve Modeling of Chemiresistive Gas Sensors by Modified Gompertz Functions. <i>IEEE Sensors Journal</i> , 2021, 21, 16754-16760.	2.4	1
35	Graphene foam @ polymer based electronic skin for flexible tactile sensor. <i>Sensors and Actuators A: Physical</i> , 2021, 327, 112697.	2.0	26
36	Hydrogen Bonds in Blends of Poly(N-isopropylacrylamide), Poly(N-ethylacrylamide) Homopolymers, and Carboxymethyl Cellulose. <i>Journal of Composites Science</i> , 2021, 5, 240.	1.4	1

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37	HA-coated collagen nanofibers for urethral regeneration via in situ polarization of M2 macrophages. <i>Journal of Nanobiotechnology</i> , 2021, 19, 283.	4.2	17
38	Trimetallic@Cyclodextrin Nanocomposite: Photocatalyst for Degradation of Amoxicillin and Catalyst for Esterification Reactions. <i>Journal of Chemistry</i> , 2021, 2021, 1-14.	0.9	3
39	Extremely large, linear, and controllable positive magnetoresistance in neodymium-doped graphene foam for magnetic sensors. <i>Materials Today Physics</i> , 2021, 20, 100460.	2.9	7
40	Lead adsorption onto Ni- and Pt-decorated nano γ -alumina: A first-principles study. <i>Journal of Molecular Liquids</i> , 2021, 337, 116349.	2.3	6
41	High interfacial charge carrier separation in Fe ₃ O ₄ modified SrTiO ₃ /Bi ₄ O ₅ I ₂ robust magnetic nano-heterojunction for rapid photodegradation of diclofenac under simulated solar-light. <i>Journal of Cleaner Production</i> , 2021, 315, 128137.	4.6	32
42	Critical Review on the Physical Properties of Gallium-Based Liquid Metals and Selected Pathways for Their Alteration. <i>Journal of Physical Chemistry C</i> , 2021, 125, 20113-20142.	1.5	76
43	Mixed-dimensional niobium disulfide-graphene foam heterostructures as an efficient catalyst for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 33679-33688.	3.8	10
44	Hyaluronic acid-functionalized poly-lactic acid (PLA) microfibers regulate vascular endothelial cell proliferation and phenotypic shape expression. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 206, 111970.	2.5	18
45	Acceleration of photo-reduction and oxidation capabilities of Bi ₄ O ₅ I ₂ /SPION@calcium alginate by metallic Ag: Wide spectral removal of nitrate and azithromycin. <i>Chemical Engineering Journal</i> , 2021, 423, 130173.	6.6	41
46	Fabrication and characterization of Ni/Ag/Zn trimetal oxide nanocomposites and its application in dopamine sensing. <i>Materials Today Communications</i> , 2021, 29, 102726.	0.9	5
47	Pharmaceutical pollutant as sacrificial agent for sustainable synergistic water treatment and hydrogen production via novel Z- scheme Bi ₇ O ₉ I ₃ /B ₄ C heterojunction photocatalysts. <i>Journal of Molecular Liquids</i> , 2021, 343, 117652.	2.3	27
48	Neodymium-decorated graphene as an efficient electrocatalyst for hydrogen production. <i>Nanoscale</i> , 2021, 13, 15471-15480.	2.8	6
49	Rheological Behavior of Blends of Metallocene Catalyzed Long-Chain Branched Polyethylenes. Part I: Shear Rheological and Thermorheological Behavior. <i>Polymers</i> , 2021, 13, 328.	2.0	6
50	Interfacial jamming reinforced Pickering emulgel for arbitrary architected nanocomposite with connected nanomaterial matrix. <i>Nature Communications</i> , 2021, 12, 111.	5.8	24
51	A relaxor ferroelectric polymer with an ultrahigh dielectric constant largely promotes the dissociation of lithium salts to achieve high ionic conductivity. <i>Energy and Environmental Science</i> , 2021, 14, 6021-6029.	15.6	115
52	Concentration Effect over Thermoresponse Derived from Organometallic Compounds of Functionalized Poly(N-isopropylacrylamide-co-dopamine Methacrylamide). <i>Polymers</i> , 2021, 13, 3921.	2.0	3
53	Leitfähig und verformbar – Flüssigmetalle. <i>Nachrichten Aus Der Chemie</i> , 2021, 69, 69-72.	0.0	8
54	Design of flower-like V ₂ O ₅ hierarchical nanostructures by hydrothermal strategy for the selective and sensitive detection of xylene. <i>Journal of Alloys and Compounds</i> , 2020, 815, 152378.	2.8	30

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55	Bio-inspired and biomaterials-based hybrid photocatalysts for environmental detoxification: A review. <i>Chemical Engineering Journal</i> , 2020, 382, 122937.	6.6	201
56	Topological Effect on Effective Local Concentration and Dynamics in Linear/Linear, Ring/Ring, and Linear/Ring Miscible Polymer Blends. <i>Macromolecules</i> , 2020, 53, 658-668.	2.2	6
57	Facile magnetoresistance adjustment of graphene foam for magnetic sensor applications through microstructure tailoring. <i>Nano Materials Science</i> , 2020, 2, 346-352.	3.9	13
58	Carbon quantum dots and reduced graphene oxide modified self-assembled S@C ₃ N ₄ /B@C ₃ N ₄ metal-free nano-photocatalyst for high performance degradation of chloramphenicol. <i>Journal of Molecular Liquids</i> , 2020, 300, 112356.	2.3	59
59	Electrospun ferric ceria nanofibers blended with MWCNTs for high-performance electrochemical detection of uric acid. <i>Ceramics International</i> , 2020, 46, 9050-9064.	2.3	26
60	Mixed-dimensional heterostructures of hydrophobic/hydrophilic graphene foam for tunable hydrogen evolution reaction. <i>Chemosphere</i> , 2020, 245, 125607.	4.2	29
61	Room temperature solid-state synthesis of mesoporous BiOI nanoflakes for the application of chemiresistive gas sensors. <i>Materials Chemistry and Physics</i> , 2020, 241, 122293.	2.0	15
62	Large magnetotransport properties in mixed-dimensional van der Waals heterostructures of graphene foam. <i>Carbon</i> , 2020, 159, 648-655.	5.4	15
63	Facile fabrication of chitosan-cl-poly(AA)/ZrPO ₄ nanocomposite for remediation of rhodamine B and antimicrobial activity. <i>Journal of King Saud University - Science</i> , 2020, 32, 1359-1365.	1.6	23
64	Fabrication of Highly Robust and Conductive Ion Gels Based on the Combined Strategies of Double-Network, Composite, and High-Functionality Cross-Linkers. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 49050-49060.	4.0	19
65	Designing of bentonite based nanocomposite hydrogel for the adsorptive removal and controlled release of ampicillin. <i>Journal of Molecular Liquids</i> , 2020, 319, 114166.	2.3	35
66	Agarose-based biomaterials for advanced drug delivery. <i>Journal of Controlled Release</i> , 2020, 326, 523-543.	4.8	134
67	Gum Acacia- <i>cl</i> -poly(acrylamide)-carbon nitride Nanocomposite Hydrogel for Adsorption of Ciprofloxacin and its Sustained Release in Artificial Ocular Solution. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 2000274.	1.7	27
68	Fe ₃ O ₄ /ZnO/Si ₃ N ₄ nanocomposite based photocatalyst for the degradation of dyes from aqueous solution. <i>Materials Letters</i> , 2020, 278, 128359.	1.3	115
69	Ag ₂ O-Al ₂ O ₃ -ZrO ₂ Trimetallic Nanocatalyst for High Performance Photodegradation of Nicosulfuron Herbicide. <i>Topics in Catalysis</i> , 2020, 63, 1272-1285.	1.3	8
70	AgO/MgO/FeO@Si ₃ N ₄ nanocomposite with robust adsorption capacity for tetracycline antibiotic removal from aqueous system. <i>Advanced Powder Technology</i> , 2020, 31, 4310-4318.	2.0	26
71	Fe ₃ O ₄ mediated Z-scheme BiVO ₄ /Cr ₂ V ₄ O ₁₃ strongly coupled nano-heterojunction for rapid degradation of fluoxetine under visible light. <i>Materials Letters</i> , 2020, 281, 128650.	1.3	16
72	Nitrogen-Doped Oxygenated Molybdenum Phosphide as an Efficient Electrocatalyst for Hydrogen Evolution in Alkaline Media. <i>Frontiers in Chemistry</i> , 2020, 8, 733.	1.8	16

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73	Recent Progress, Challenges, and Prospects in Two-Dimensional Photo-Catalyst Materials and Environmental Remediation. <i>Nano-Micro Letters</i> , 2020, 12, 167.	14.4	57
74	Multi-heterostructured spin-valve junction of vertical FLG/MoSe ₂ /FLG. <i>APL Materials</i> , 2020, 8, .	2.2	11
75	A Comparative Study on Cure Kinetics of Layered Double Hydroxide (LDH)/Epoxy Nanocomposites. <i>Journal of Composites Science</i> , 2020, 4, 111.	1.4	13
76	Integration of mesoporous ZnO and Au@ZnO nanospheres into sensing device for the ultrasensitive CH ₃ COCH ₃ detection down to ppb levels. <i>Applied Surface Science</i> , 2020, 518, 146223.	3.1	31
77	Structural tailoring of molybdenum disulfide by argon plasma for efficient electrocatalysis performance. <i>International Journal of Energy Research</i> , 2020, 44, 7846-7854.	2.2	14
78	LaTiO ₂ N/Bi ₂ S ₃ Z-scheme nano heterostructures modified by rGO with high interfacial contact for rapid photocatalytic degradation of tetracycline. <i>Journal of Molecular Liquids</i> , 2020, 311, 113300.	2.3	30
79	Visibly Active FeO/ZnO@PANI Magnetic Nano-photocatalyst for the Degradation of 3-Aminophenol. <i>Topics in Catalysis</i> , 2020, 63, 1302-1313.	1.3	17
80	Ag ₀ -Ag ₂ O embedded nanocomposite hydrogel for adsorption-coupled-photocatalytic removal of triclosan. <i>Materials Letters</i> , 2020, 276, 128169.	1.3	25
81	Constructing Z-scheme LaTiO ₂ N/g-C ₃ N ₄ @Fe ₃ O ₄ magnetic nano heterojunctions with promoted charge separation for visible and solar removal of indomethacin. <i>Journal of Water Process Engineering</i> , 2020, 36, 101391.	2.6	25
82	Transfer-Free Growth of Bi ₂ O ₃ /Se on Silicon Dioxide via Chemical Vapor Deposition. <i>ACS Applied Electronic Materials</i> , 2020, 2, 2123-2131.	2.0	18
83	Atrazine removal using chitin-cl-poly(acrylamide-co-itaconic acid) nanohydrogel: Isotherms and pH responsive nature. <i>Carbohydrate Polymers</i> , 2020, 241, 116258.	5.1	74
84	Functional Polymer Solutions and Gels—Physics and Novel Applications. <i>Polymers</i> , 2020, 12, 676.	2.0	1
85	Surrounding Interactions on Phase Transition Temperature Promoted by Organometallic Complexes in Functionalized Poly(N-isopropylacrylamide-co-dopamine methacrylamide) Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 2000035.	1.1	6
86	Consistent red luminescence in π -conjugated polymers with tuneable elastic moduli over five orders of magnitude. <i>Materials Horizons</i> , 2020, 7, 1421-1426.	6.4	19
87	Graft Copolymerization of Acrylonitrile and Ethyl Acrylate onto <i>Pinus Roxburghii</i> Wood Surface Enhanced Physicochemical Properties and Antibacterial Activity. <i>Journal of Chemistry</i> , 2020, 2020, 1-16.	0.9	8
88	Metal-Organic Framework (MOF) through the Lens of Molecular Dynamics Simulation: Current Status and Future Perspective. <i>Journal of Composites Science</i> , 2020, 4, 75.	1.4	33
89	Synthesis and characterization of novel amphiphilic biocompatible block-copolymers of poly(N-isopropylacrylamide)-b-poly(L-phenylalanine methyl ester) by RAFT polymerization. <i>Polymer</i> , 2020, 203, 122760.	1.8	14
90	Competition between Physical Cross-linking and Phase Transition Temperature in Blends Based on Poly(N-isopropylacrylamide-co-N-ethylacrylamide) Copolymers and Carboxymethyl Cellulose. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 2000081.	1.1	5

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91	Carboxymethyl cellulose structured nano-adsorbent for removal of methyl violet from aqueous solution: isotherm and kinetic analyses. <i>Cellulose</i> , 2020, 27, 3677-3691.	2.4	38
92	Designing a multifaceted bio-interface nanofiber tissue-engineered tubular scaffold graft to promote neo-vascularization for urethral regeneration. <i>Journal of Materials Chemistry B</i> , 2020, 8, 1748-1758.	2.9	15
93	Urethral reconstruction using an amphiphilic tissue-engineered autologous polyurethane nanofiber scaffold with rapid vascularization function. <i>Biomaterials Science</i> , 2020, 8, 2164-2174.	2.6	20
94	Oxidized chitosan modified electrospun scaffolds for controllable release of acyclovir. <i>International Journal of Biological Macromolecules</i> , 2020, 151, 787-796.	3.6	39
95	Dye-sensitized solar cells based on natural photosensitizers: A green view from Iran. <i>Journal of Alloys and Compounds</i> , 2020, 828, 154329.	2.8	40
96	CeO ₂ /g-C ₃ N ₄ /V ₂ O ₅ ternary nano hetero-structures decorated with CQDs for enhanced photo-reduction capabilities under different light sources: Dual Z-scheme mechanism. <i>Journal of Alloys and Compounds</i> , 2020, 838, 155692.	2.8	96
97	Unusual magnetotransport properties in graphene fibers. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 25712-25719.	1.3	3
98	Facile Fabrication of Hierarchical rGO/PANI@PtNi Nanocomposite via Microwave-Assisted Treatment for Non-Enzymatic Detection of Hydrogen Peroxide. <i>Nanomaterials</i> , 2019, 9, 1109.	1.9	10
99	Curing epoxy with electrochemically synthesized Mn Fe ₃ -O ₄ magnetic nanoparticles. <i>Progress in Organic Coatings</i> , 2019, 136, 105199.	1.9	13
100	Graphene decorated polymeric flexible materials for lightweight high areal energy lithium-ion batteries. <i>Applied Materials Today</i> , 2019, 17, 123-129.	2.3	43
101	Curing epoxy with electrochemically synthesized Ni Fe ₃ -O ₄ magnetic nanoparticles. <i>Progress in Organic Coatings</i> , 2019, 136, 105198.	1.9	27
102	Ethanol sensing behavior of Pd-nanoparticles decorated ZnO-nanorod based chemiresistive gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2019, 298, 126850.	4.0	136
103	Effect of Cross-Linker in Poly(N -isopropyl Acrylamide)-Grafted-Gelatin Gels Prepared by Microwave-Assisted Synthesis. <i>ChemistrySelect</i> , 2019, 4, 10346-10351.	0.7	2
104	Lower critical solution temperature sensitivity to structural changes in poly(N -isopropyl acrylamide) homopolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 1386-1393.	2.4	17
105	Graphene oxide supported La/Co/Ni trimetallic nano-scale systems for photocatalytic remediation of 2-chlorophenol. <i>Journal of Molecular Liquids</i> , 2019, 294, 111605.	2.3	30
106	Linear and Nonlinear Dynamic Behavior of Polymer Micellar Assemblies Connected by Metallo-Supramolecular Interactions. <i>Polymers</i> , 2019, 11, 1532.	2.0	3
107	Honeycomb structured activated carbon synthesized from Pinus roxburghii cone as effective bioadsorbent for toxic malachite green dye. <i>Journal of Water Process Engineering</i> , 2019, 32, 100931.	2.6	53
108	C ₂ H ₅ OH sensing properties of solid-state mediated BiOBr nanoplates. <i>Sensors and Actuators B: Chemical</i> , 2019, 300, 126987.	4.0	11

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109	Recent advances in nano-Fenton catalytic degradation of emerging pharmaceutical contaminants. <i>Journal of Molecular Liquids</i> , 2019, 290, 111177.	2.3	120
110	Tunable sign of magnetoresistance in graphene foam “Ecoflex® composite for wearable magnetoelectronic devices. <i>Materials Letters</i> , 2019, 253, 166-170.	1.3	9
111	Lower Critical Solution Temperature in Poly(N-isopropylacrylamide): Comparison of Detection Methods and Molar Mass Distribution Influence. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1900129.	1.1	8
112	Effect of Hydrophobic Interactions on Lower Critical Solution Temperature for Poly(N-isopropylacrylamide-co-dopamine Methacrylamide) Copolymers. <i>Polymers</i> , 2019, 11, 991.	2.0	48
113	Intelligent Machine Learning: Tailor-Making Macromolecules. <i>Polymers</i> , 2019, 11, 579.	2.0	21
114	Rheological Study on the Thermoreversible Gelation of Stereo-Controlled Poly(N-isopropylacrylamide) in an Imidazolium Ionic Liquid. <i>Polymers</i> , 2019, 11, 783.	2.0	6
115	Rheology of Concentrated Polymer/Ionic Liquid Solutions: An Anomalous Plasticizing Effect and a Universality in Nonlinear Shear Rheology. <i>Polymers</i> , 2019, 11, 877.	2.0	7
116	Highly Efficient Polydopamine-coated Poly(methyl methacrylate) Nanofiber Supported Platinum-nickel Bimetallic Catalyst for Formaldehyde Oxidation at Room Temperature. <i>Polymers</i> , 2019, 11, 674.	2.0	16
117	Viskoelastische konjugierte polymere Fluide. <i>Angewandte Chemie</i> , 2019, 131, 9682-9686.	1.6	6
118	Viscoelastic Conjugated Polymer Fluids. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9581-9585.	7.2	40
119	Fe/La/Zn nanocomposite with graphene oxide for photodegradation of phenylhydrazine. <i>Journal of Molecular Liquids</i> , 2019, 285, 362-374.	2.3	13
120	Superior Magnetoresistance Performance of Hybrid Graphene Foam/Metal Sulfide Nanocrystal Devices. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 19397-19403.	4.0	26
121	Room temperature ammonia gas sensing properties of polyaniline nanofibers. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 8371-8380.	1.1	31
122	Highly efficient Sr/Ce/activated carbon bimetallic nanocomposite for photoinduced degradation of rhodamine B. <i>Catalysis Today</i> , 2019, 335, 437-451.	2.2	155
123	Highly visible active Ag ₂ CrO ₄ /Ag/BiFeO ₃ @RGO nano-junction for photoreduction of CO ₂ and photocatalytic removal of ciprofloxacin and bromate ions: The triggering effect of Ag and RGO. <i>Chemical Engineering Journal</i> , 2019, 370, 148-165.	6.6	126
124	Nonsaturating negative magnetoresistance in laser-induced graphene. <i>Materials Letters</i> , 2019, 248, 43-47.	1.3	14
125	Small and large amplitude oscillatory shear behavior of supramolecular gels based on dopamine-boronic acid interactions. <i>Journal of Rheology</i> , 2019, 63, 391-404.	1.3	8
126	Hybrid polyaniline-WO ₃ flexible sensor: A room temperature competence towards NH ₃ gas. <i>Sensors and Actuators B: Chemical</i> , 2019, 288, 279-288.	4.0	135

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127	Preparation and Characterization of Gum Acacia/Ce(IV)MoPO ₄ Nanocomposite Ion Exchanger for Photocatalytic Degradation of Methyl Violet Dye. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019, 29, 1171-1183.	1.9	16
128	Curing epoxy with electrochemically synthesized Co Fe ₃ O ₄ magnetic nanoparticles. <i>Progress in Organic Coatings</i> , 2019, 137, 105252.	1.9	12
129	Large unsaturated room temperature negative magnetoresistance in graphene foam composite for wearable and flexible magnetoelectronics. <i>Nano Research</i> , 2019, 12, 101-107.	5.8	19
130	Processing temperature dependent chemiresistive performance of spin-coated cerium oxide films. <i>Materials Chemistry and Physics</i> , 2019, 224, 85-92.	2.0	14
131	A new quinoline-derived highly-sensitive fluorescent probe for the detection of hydrazine with excellent large-emission-shift ratiometric response. <i>Talanta</i> , 2019, 195, 857-864.	2.9	48
132	Defect-induced, temperature-independent, tunable magnetoresistance of partially fluorinated graphene foam. <i>Carbon</i> , 2019, 143, 179-188.	5.4	25
133	Visible photodegradation of ibuprofen and 2,4-D in simulated waste water using sustainable metal free-hybrids based on carbon nitride and biochar. <i>Journal of Environmental Management</i> , 2019, 231, 1164-1175.	3.8	100
134	Algal biochar reinforced trimetallic nanocomposite as adsorptional/photocatalyst for remediation of malachite green from aqueous medium. <i>Journal of Molecular Liquids</i> , 2019, 275, 499-509.	2.3	62
135	Solid-state synthesis strategy of hierarchically-structured BiOCl desert-roses for the selective detection of C ₂ H ₅ OH. <i>Journal of Alloys and Compounds</i> , 2019, 778, 532-541.	2.8	19
136	Fabrication of oxidized graphite supported La ₂ O ₃ /ZrO ₂ nanocomposite for the photoremediation of toxic fast green dye. <i>Journal of Molecular Liquids</i> , 2019, 277, 738-748.	2.3	25
137	Study of the Interactions of Zwitterions and Carbon Nanotubes by Nonlinear Rheology in an Aqueous Environment. <i>Langmuir</i> , 2019, 35, 1964-1972.	1.6	6
138	Wide spectral degradation of Norfloxacin by Ag@BiPO ₄ /BiOBr/BiFeO ₃ nano-assembly: Elucidating the photocatalytic mechanism under different light sources. <i>Journal of Hazardous Materials</i> , 2019, 364, 429-440.	6.5	193
139	Fabrication and characterization of novel FeO@Guar gum-crosslinked-soya lecithin nanocomposite hydrogel for photocatalytic degradation of methyl violet dye. <i>Separation and Purification Technology</i> , 2019, 211, 895-908.	3.9	152
140	Enhanced NO ₂ sensing aptness of ZnO nanowire/CuO nanoparticle heterostructure-based gas sensors. <i>Ceramics International</i> , 2019, 45, 1513-1522.	2.3	104
141	Biomechanical Heterogeneity of Living Cells: Comparison between Atomic Force Microscopy and Finite Element Simulation. <i>Langmuir</i> , 2019, 35, 7578-7587.	1.6	29
142	Carbon nitride, metal nitrides, phosphides, chalcogenides, perovskites and carbides nanophotocatalysts for environmental applications. <i>Environmental Chemistry Letters</i> , 2019, 17, 655-682.	8.3	51
143	Intelligent Monte Carlo: A New Paradigm for Inverse Polymerization Engineering. <i>Macromolecular Theory and Simulations</i> , 2018, 27, 1700106.	0.6	29
144	Aerogels and metal-organic frameworks for environmental remediation and energy production. <i>Environmental Chemistry Letters</i> , 2018, 16, 797-820.	8.3	57

#	ARTICLE	IF	CITATIONS
145	Specific capacitance, energy and power density coherence in electrochemically synthesized polyaniline-nickel oxide hybrid electrode. <i>Organic Electronics</i> , 2018, 57, 110-117.	1.4	32
146	Large amplitude oscillatory shear behavior of graphene derivative/polydimethylsiloxane nanocomposites. <i>Rheologica Acta</i> , 2018, 57, 429-443.	1.1	22
147	Impact of heavy metals and nanoparticles on aquatic biota. <i>Environmental Chemistry Letters</i> , 2018, 16, 919-946.	8.3	127
148	Quinoline-derived fluorescent probes for the discrimination of Cys from Hcys/GSH and bioimaging in living cells. <i>Talanta</i> , 2018, 186, 110-118.	2.9	27
149	Classification of thermorheological complexity for linear and branched polyolefins. <i>Rheologica Acta</i> , 2018, 57, 377-388.	1.1	10
150	Biochar-templated g-C ₃ N ₄ /Bi ₂ O ₂ CO ₃ /CoFe ₂ O ₄ nano-assembly for visible and solar assisted photo-degradation of paraquat, nitrophenol reduction and CO ₂ conversion. <i>Chemical Engineering Journal</i> , 2018, 339, 393-410.	6.6	241
151	A novel approach to analyze the rheological properties of hydrogels with network structure simulation. <i>Journal of Polymer Research</i> , 2018, 25, 1.	1.2	7
152	Looking back to interfacial tension prediction in the compatibilized polymer blends: Discrepancies between theories and experiments. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46144.	1.3	10
153	Development and characterizations of novel aqueous-based LSCF suspensions for inkjet printing. <i>Ceramics International</i> , 2018, 44, 13381-13388.	2.3	29
154	Guar gum-crosslinked-Soya lecithin nanohydrogel sheets as effective adsorbent for the removal of thiophanate methyl fungicide. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 295-305.	3.6	100
155	Fabrication and characterization of trimetallic nano-photocatalyst for remediation of ampicillin antibiotic. <i>Journal of Molecular Liquids</i> , 2018, 260, 342-350.	2.3	119
156	Quaternary magnetic BiOCl/g-C ₃ N ₄ /Cu ₂ O/Fe ₃ O ₄ nano-junction for visible light and solar powered degradation of sulfamethoxazole from aqueous environment. <i>Chemical Engineering Journal</i> , 2018, 334, 462-478.	6.6	311
157	Applications of nanocomposite hydrogels for biomedical engineering and environmental protection. <i>Environmental Chemistry Letters</i> , 2018, 16, 113-146.	8.3	207
158	Enhanced acetone sensing properties of titanium dioxide nanoparticles with a sub-ppm detection limit. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 1701-1710.	4.0	110
159	Investigation of micromechanical properties of hard sphere filled composite hydrogels by atomic force microscopy and finite element simulations. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 78, 496-504.	1.5	16
160	Photoremediation of toxic dye from aqueous environment using monometallic and bimetallic quantum dots based nanocomposites. <i>Journal of Cleaner Production</i> , 2018, 172, 2919-2930.	4.6	140
161	Enhanced DSSCs performance of TiO ₂ nanostructure by surface passivation layers. <i>Materials Research Bulletin</i> , 2018, 99, 491-495.	2.7	17
162	Efficient removal of toxic phosphate anions from aqueous environment using pectin based quaternary amino anion exchanger. <i>International Journal of Biological Macromolecules</i> , 2018, 106, 1-10.	3.6	112

#	ARTICLE	IF	CITATIONS
163	Rheologyâ€™Microstructure Relationships in Melt-Processed Polylactide/Poly(vinylidene Fluoride) Blends. <i>Materials</i> , 2018, 11, 2450.	1.3	15
164	Facile fabrication of Zr ₂ Ni ₁ Cu ₇ trimetallic nano-alloy and its composite with Si ₃ N ₄ for visible light assisted photodegradation of methylene blue. <i>Journal of Molecular Liquids</i> , 2018, 272, 170-179.	2.3	46
165	High-Performance Photocatalytic Hydrogen Production and Degradation of Levofloxacin by Wide Spectrum-Responsive Ag/Fe ₃ O ₄ Bridged SrTiO ₃ /g-C ₃ N ₄ Plasmonic Nanojunctions: Joint Effect of Ag and Fe ₃ O ₄ . <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 40474-40490.	4.0	140
166	Fabrication and characterization of Gum arabic-cl-poly(acrylamide) nanohydrogel for effective adsorption of crystal violet dye. <i>Carbohydrate Polymers</i> , 2018, 202, 444-453.	5.1	174
167	Tacticity effect on the upper critical solution temperature behavior of Poly(N-isopropylacrylamide) in an imidazolium ionic liquid. <i>Polymer</i> , 2018, 155, 101-108.	1.8	8
168	Atomic force microscopy methodology and AFMech Suite software for nanomechanics on heterogeneous soft materials. <i>Nature Communications</i> , 2018, 9, 3584.	5.8	43
169	Effect of a functional polymer on the rheology and microstructure of sodium alginate. <i>Carbohydrate Polymers</i> , 2018, 199, 58-67.	5.1	26
170	Sodium Dodecyl Sulphate-Supported Nanocomposite as Drug Carrier System for Controlled Delivery of Ondansetron. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 414.	1.2	15
171	Guar gum and its composites as potential materials for diverse applications: A review. <i>Carbohydrate Polymers</i> , 2018, 199, 534-545.	5.1	283
172	Utilizing recycled LiFePO ₄ from batteries in combination with B@C ₃ N ₄ and CuFe ₂ O ₄ as sustainable nano-junctions for high performance degradation of atenolol. <i>Chemosphere</i> , 2018, 209, 457-469.	4.2	29
173	Low-temperature wet chemical synthesis strategy of In ₂ O ₃ for selective detection of NO ₂ down to ppb levels. <i>Journal of Alloys and Compounds</i> , 2018, 735, 2102-2110.	2.8	26
174	Ultra-Sensitive C ₂ H ₅ OH Sensing Properties of Template-Free Solvothermal-Processed Hierarchical ZnO Nanospheres. <i>Nanoscience and Nanotechnology Letters</i> , 2018, 10, 1651-1661.	0.4	1
175	Nanostructured tin oxide films: Physical synthesis, characterization, and gas sensing properties. <i>Journal of Colloid and Interface Science</i> , 2017, 493, 162-170.	5.0	49
176	Complex interplay of short- and long-chain branching on thermal and rheological properties of ethylene/1-olefin copolymers made by metallocene catalysts with oscillating ligand structure. <i>Polymer</i> , 2017, 112, 43-52.	1.8	20
177	Solution-processed rapid synthesis strategy of Co ₃ O ₄ for the sensitive and selective detection of H ₂ S. <i>Sensors and Actuators B: Chemical</i> , 2017, 245, 524-532.	4.0	71
178	Low-temperature chemical synthesis of rutile and anatase mixed phase TiO ₂ nanostructures for DSSCs photoanodes. <i>Journal of Alloys and Compounds</i> , 2017, 704, 187-192.	2.8	17
179	Facile fabrication of polyurethane microcapsules carriers for tracing cellular internalization and intracellular pH-triggered drug release. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 153, 160-167.	2.5	30
180	Rapid synthesis strategy of CuO nanocubes for sensitive and selective detection of NO ₂ . <i>Journal of Alloys and Compounds</i> , 2017, 708, 456-463.	2.8	62

#	ARTICLE	IF	CITATIONS
181	Thermally evaporated copper oxide films: A view of annealing effect on physical and gas sensing properties. <i>Ceramics International</i> , 2017, 43, 7057-7064.	2.3	40
182	Versatile Mechanical and Thermo-responsive Properties of Macroporous Copolymer Gels. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1600554.	1.1	9
183	Efficient removal of coomassie brilliant blue R-250 dye using starch/poly(alginic acid-cl-acrylamide) nanohydrogel. <i>Chemical Engineering Research and Design</i> , 2017, 109, 301-310.	2.7	183
184	Sorption and desorption properties of random copolymer hydrogels of <i>N</i> -isopropylacrylamide and <i>N</i> -ethylacrylamide: Effect of monomer composition. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45176.	1.3	3
185	Graphene oxide-based silsesquioxane-crosslinked networks – synthesis and rheological behavior. <i>RSC Advances</i> , 2017, 7, 21531-21540.	1.7	18
186	Crosslinking hydroxylated reduced graphene oxide with RAFT-CTA: A nano-initiator for preparation of well-defined amino acid-based polymer nanohybrids. <i>Journal of Colloid and Interface Science</i> , 2017, 504, 731-740.	5.0	21
187	Zinc oxide hierarchical nanostructures as potential NO ₂ sensors. <i>Sensors and Actuators B: Chemical</i> , 2017, 251, 551-563.	4.0	115
188	Random copolymer gels of <i>N</i> -isopropylacrylamide and <i>N</i> -ethylacrylamide: effect of synthesis solvent compositions on their properties. <i>RSC Advances</i> , 2017, 7, 9381-9392.	1.7	15
189	Reduced graphene oxide composites with water soluble copolymers having tailored lower critical solution temperatures and unique tube-like structure. <i>Scientific Reports</i> , 2017, 7, 44508.	1.6	20
190	Unspoken aspects of chain shuttling reactions: Patterning the molecular landscape of olefin multi-block copolymers. <i>Polymer</i> , 2017, 116, 55-75.	1.8	24
191	Galvanostatically electroplated MnO ₂ nanoplate-type electrode for potential electrochemical pseudocapacitor application. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 1817-1826.	1.2	19
192	Cathodic titania nanotube arrays as anode material for lithium-ion batteries. <i>Journal of Materials Science</i> , 2017, 52, 4323-4332.	1.7	8
193	Flexible camphor sulfonic acid-doped PANi/±-Fe ₂ O ₃ nanocomposite films and their room temperature ammonia sensing activity. <i>Materials Chemistry and Physics</i> , 2017, 189, 191-197.	2.0	45
194	Non-magnetic thin films for magnetic field position sensor. <i>Sensors and Actuators A: Physical</i> , 2017, 254, 89-94.	2.0	15
195	A novel protocol to design TiO ₂ -Fe ₂ O ₃ hybrids with effective charge separation efficiency for improved photocatalysis. <i>Advanced Powder Technology</i> , 2017, 28, 665-670.	2.0	25
196	Large, Linear, and Tunable Positive Magnetoresistance of Mechanically Stable Graphene Foam – Toward High-Performance Magnetic Field Sensors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 1891-1898.	4.0	27
197	Effect of tacticity and molecular weight on the rheological properties of poly(<i>N</i> -isopropylacrylamide) gels in benzyl alcohol. <i>Journal of Rheology</i> , 2017, 61, 1345-1357.	1.3	11
198	Irreconcilable room temperature magnetotransport properties of polypyrrole nanoparticles and nanorods. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 365002.	1.3	8

#	ARTICLE	IF	CITATIONS
199	Ethanol gas sensing properties of hydrothermally grown In_2S_3 - MnO_2 nanorods. <i>Journal of Alloys and Compounds</i> , 2017, 727, 362-369.	2.8	54
200	A simple wet-chemical synthesis, reaction mechanism, and charge storage application of cobalt oxide electrodes of different morphologies. <i>Electrochimica Acta</i> , 2017, 253, 151-162.	2.6	22
201	Mussel-inspired 3D networks with stiff-irreversible or soft-reversible characteristics - It's all a matter of solvent. <i>Polymer Testing</i> , 2017, 62, 96-101.	2.3	12
202	Sustainable nano-hybrids of magnetic biochar supported g-C ₃ N ₄ /FeVO ₄ for solar powered degradation of noxious pollutants- Synergism of adsorption, photocatalysis & photo-ozonation. <i>Journal of Cleaner Production</i> , 2017, 165, 431-451.	4.6	219
203	Testing of the effect of parameters on the cononsolvency of random copolymer gels of N-isopropylacrylamide and N-ethylacrylamide in methanol-water mixed solvents by simple gravimetric method. <i>Polymer Testing</i> , 2017, 62, 177-188.	2.3	8
204	Solar-driven photodegradation of 17- β -estradiol and ciprofloxacin from waste water and CO ₂ conversion using sustainable coal-char/polymeric-g-C ₃ N ₄ /RGO metal-free nano-hybrids. <i>New Journal of Chemistry</i> , 2017, 41, 10208-10224.	1.4	90
205	Smart multifunctional polyurethane microcapsules for the quick release of anticancer drugs in BGC 823 and HeLa tumor cells. <i>Journal of Materials Chemistry B</i> , 2017, 5, 9477-9481.	2.9	42
206	Microwave assisted fabrication of La/Cu/Zr/carbon dots trimetallic nanocomposites with their adsorptional vs photocatalytic efficiency for remediation of persistent organic pollutants. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 347, 235-243.	2.0	100
207	Molybdenum disulfide grafted titania nanotube arrays as high capacity retention anode material for lithium ion batteries. <i>Applied Nanoscience (Switzerland)</i> , 2017, 7, 67-73.	1.6	4
208	ZnSe-WO ₃ nano-hetero-assembly stacked on Gum ghatti for photo-degradative removal of Bisphenol A: Symbiose of adsorption and photocatalysis. <i>International Journal of Biological Macromolecules</i> , 2017, 104, 1172-1184.	3.6	101
209	Controlled growth of polythiophene nanofibers in TiO ₂ nanotube arrays for supercapacitor applications. <i>Journal of Materials Chemistry A</i> , 2017, 5, 172-180.	5.2	76
210	Solution-processed nickel oxide films and their liquefied petroleum gas sensing activity. <i>Journal of Alloys and Compounds</i> , 2017, 695, 2008-2015.	2.8	41
211	Solid-state synthesis strategy of ZnO nanoparticles for the rapid detection of hazardous Cl ₂ . <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 1102-1110.	4.0	71
212	Synthesis, characterization, and drug release properties of macroporous dual stimuli responsive stereo regular nanocomposites gels of poly(N-isopropylacrylamide) and graphene oxide. <i>Journal of Porous Materials</i> , 2017, 24, 389-401.	1.3	12
213	Synthesis of scalable and tunable slightly oxidized graphene via chemical vapor deposition. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 844-849.	5.0	22
214	Electrochemical synthesis and potential electrochemical energy storage performance of nodule-type polyaniline. <i>Journal of Colloid and Interface Science</i> , 2017, 487, 458-464.	5.0	28
215	Kinin B1 receptor blockade and ACE inhibition attenuate cardiac postinfarction remodeling and heart failure in rats. <i>Toxicology and Applied Pharmacology</i> , 2016, 305, 153-160.	1.3	7
216	Enhanced adsorption and photocatalysis capability of generally synthesized TiO ₂ -carbon materials hybrids. <i>Advanced Powder Technology</i> , 2016, 27, 1949-1962.	2.0	74

#	ARTICLE	IF	CITATIONS
217	Durable Antibacterial and Nonfouling Cotton Textiles with Enhanced Comfort via Zwitterionic Sulfopropylbetaine Coating. <i>Small</i> , 2016, 12, 3516-3521.	5.2	145
218	Hexamethylenetetramine-mediated TiO ₂ films: Facile chemical synthesis strategy and their use in nitrogen dioxide detection. <i>Materials Letters</i> , 2016, 173, 9-12.	1.3	13
219	Flexible, Low Cost, and Platinum-Free Counter Electrode for Efficient Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 25353-25360.	4.0	21
220	Deriving comprehensive structural information on long-chain branched polyethylenes from analysis of thermo-rheological complexity. <i>Polymer</i> , 2016, 104, 179-192.	1.8	16
221	Hydrogen Bonding in a Reversible Comb Polymer Architecture: A Microscopic and Macroscopic Investigation. <i>Macromolecules</i> , 2016, 49, 5692-5703.	2.2	21
222	Angle dependent magnetotransport in transfer-free amorphous carbon thin films. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 415005.	1.3	13
223	Space-resolved quantitative mechanical measurements of soft and supersoft materials by atomic force microscopy. <i>NPG Asia Materials</i> , 2016, 8, e327-e327.	3.8	53
224	High Capacity Retention Anode Material for Lithium Ion Battery. <i>Electrochimica Acta</i> , 2016, 211, 156-163.	2.6	44
225	Lithium storage study on MoO ₃ -grafted TiO ₂ nanotube arrays. <i>Applied Nanoscience (Switzerland)</i> , 2016, 6, 1149-1157.	1.6	11
226	Effect of H ₂ O and reduced graphene oxide on the structure and rheology of self-healing, stimuli responsive catecholic gels. <i>Rheologica Acta</i> , 2016, 55, 163-176.	1.1	24
227	Nanoprecursor-Mediated Synthesis of Mg ²⁺ -Doped TiO ₂ Nanoparticles and Their Application for Dye-Sensitized Solar Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 744-752.	0.9	7
228	Electrochemical supercapacitor development based on electrodeposited nickel oxide film. <i>RSC Advances</i> , 2015, 5, 51961-51965.	1.7	82
229	Development of zwitterionic polyurethanes with multi-shape memory effects and self-healing properties. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2924-2933.	5.2	114
230	Hydrogen Bonding in Aprotic Solvents, a New Strategy for Gelation of Bioinspired Catecholic Copolymers with N-isopropylamide. <i>Macromolecular Rapid Communications</i> , 2015, 36, 447-452.	2.0	29
231	Self-associations and temperature dependence of aqueous solutions of zwitterionically modified N-isopropylacrylamide copolymers. <i>Rheologica Acta</i> , 2015, 54, 501-516.	1.1	19
232	Development of zwitterionic copolymers with multi-shape memory effects and moisture-sensitive shape memory effects. <i>Journal of Materials Chemistry B</i> , 2015, 3, 6645-6655.	2.9	43
233	Ultra-sensitive polyaniline-iron oxide nanocomposite room temperature flexible ammonia sensor. <i>RSC Advances</i> , 2015, 5, 68964-68971.	1.7	91
234	A Perspective on Modeling and Characterization of Transformations in the Blocky Nature of Olefin Block Copolymers. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 8867-8873.	1.8	21

#	ARTICLE	IF	CITATIONS
235	On the modulus shift and thermorheological complexity in polyolefins. <i>Rheologica Acta</i> , 2015, 54, 695-704.	1.1	12
236	A facile and general synthesis strategy to doped TiO ₂ nanoaggregates with a mesoporous structure and comparable property. <i>RSC Advances</i> , 2015, 5, 64293-64298.	1.7	38
237	Mussel-inspired Electrospun Smart Magnetic Nanofibers for Hyperthermic Chemotherapy. <i>Advanced Functional Materials</i> , 2015, 25, 2867-2875.	7.8	74
238	A Monte Carlo-based feeding policy for tailoring microstructure of copolymer chains: Reconsidering the conventional metallocene catalyzed polymerization of α -olefins. <i>Chemical Engineering Journal</i> , 2015, 274, 169-180.	6.6	28
239	Reduced graphene oxide/carbon nanotube hybrid film as high performance negative electrode for supercapacitor. <i>Electrochimica Acta</i> , 2015, 169, 342-350.	2.6	139
240	Preparation of efficient magnetic biosorbents by clicking carbohydrates onto graphene oxide. <i>Journal of Materials Science</i> , 2015, 50, 5348-5361.	1.7	36
241	Anomalous Rheological Behavior of Dendritic Nanoparticle/Linear Polymer Nanocomposites. <i>Macromolecules</i> , 2015, 48, 3368-3375.	2.2	27
242	Angular magnetoresistance in semiconducting undoped amorphous carbon thin films. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	19
243	Simple and low-temperature polyaniline-based flexible ammonia sensor: a step towards laboratory synthesis to economical device design. <i>Journal of Materials Chemistry C</i> , 2015, 3, 9461-9468.	2.7	130
244	Preparation of camphor-sulfonic acid doped PPy@NiO hybrid nanocomposite for detection of toxic nitrogen dioxide. <i>Synthetic Metals</i> , 2015, 209, 426-433.	2.1	32
245	A unified picture of hard-soft segmental development along olefin chain shuttling copolymerization. <i>Polymer</i> , 2015, 76, 245-253.	1.8	25
246	Oscillations in modulus in solutions of graphene oxide and reduced graphene oxide with grafted poly-N-isopropylamide. <i>Soft Matter</i> , 2015, 11, 1315-1325.	1.2	16
247	Achieving phase transformation and structure control of crystalline anatase TiO ₂ @C hybrids from titanium glycolate precursor and glucose molecules. <i>Journal of Colloid and Interface Science</i> , 2015, 438, 169-178.	5.0	22
248	Rapid self-healing and triple stimuli responsiveness of a supramolecular polymer gel based on boron-catechol interactions in a novel water-soluble mussel-inspired copolymer. <i>Polymer Chemistry</i> , 2014, 5, 512-523.	1.9	133
249	Synthesis of magnetic citric acid-functionalized graphene oxide and its application in the removal of methylene blue from contaminated water. <i>Polymer International</i> , 2014, 63, 1881-1888.	1.6	62
250	Negative magnetoresistance in undoped semiconducting amorphous carbon films. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	24
251	Network formation in graphene oxide composites with surface grafted PNIPAM chains in aqueous solution characterized by rheological experiments. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 8675-8685.	1.3	31
252	What are typical sources of error in rotational rheometry of polymer melts?. <i>Korea Australia Rheology Journal</i> , 2014, 26, 277-291.	0.7	12

#	ARTICLE	IF	CITATIONS
253	A NIPAMâ€Žwzwitterion Copolymer: Rheological Interpretation of the Specific Ion Effect on the LCST. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 1077-1091.	1.1	28
254	Sweet graphene I: toward hydrophilic graphene nanosheets via click grafting alkyne-saccharides onto azide-functionalized graphene oxide. <i>Carbohydrate Research</i> , 2014, 396, 1-8.	1.1	55
255	A Detailed Model on Kinetics and Microstructure Evolution during Copolymerization of Ethylene and 1-Octene: From Coordinative Chain Transfer to Chain Shuttling Polymerization. <i>Macromolecules</i> , 2014, 47, 4778-4789.	2.2	51
256	Graphene Oxide/Carbon Nanotube Composite Hydrogelsâ€ŽVersatile Materials for Microbial Fuel Cell Applications. <i>Macromolecular Rapid Communications</i> , 2014, 35, 1861-1865.	2.0	95
257	Semiconducting amorphous carbon thin films for transparent conducting electrodes. <i>Carbon</i> , 2014, 76, 64-70.	5.4	62
258	Microfluidicâ€ŽAssisted Selfâ€ŽAssembly of Complex Dendritic Polyethylene Drug Delivery Nanocapsules. <i>Advanced Materials</i> , 2014, 26, 3118-3123.	11.1	49
259	Refluxing Synthesis of Anatase TiO ₂ Nanoparticles Assembled Microprisms and Its Application for Dye-Sensitized Solar Cells. <i>Science of Advanced Materials</i> , 2014, 6, 459-464.	0.1	9
260	Assessment of end-group functionality in atom transfer radical polymerization of N-isopropylacrylamide. <i>European Polymer Journal</i> , 2013, 49, 2344-2355.	2.6	8
261	Elongational rheology of NIPAM-based hydrogels. <i>Rheologica Acta</i> , 2013, 52, 413-423.	1.1	17
262	Structure modification of anatase TiO ₂ nanomaterials-based photoanodes for efficient dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2013, 113, 527-535.	2.6	36
263	Facile synthesis and characterization of TiO ₂ nanodots and TiO ₂ nanodots@MWCNTs composite via solvothermal method. <i>Materials Letters</i> , 2013, 113, 71-75.	1.3	5
264	Shear Induced Irreversible Gelation through Physical Network Formation. <i>Macromolecules</i> , 2013, 46, 4141-4150.	2.2	14
265	Mussel-inspired pH-triggered reversible foamed multi-responsive gel â€Žthe surprising effect of water. <i>Chemical Communications</i> , 2013, 49, 4685.	2.2	48
266	On the usefulness of rheological spectraâ€Ža critical discussion. <i>Rheologica Acta</i> , 2013, 52, 85-89.	1.1	5
267	A facile polyol-mediated approach to tunable CeO ₂ microcrystals and their photocatalytic activity. <i>Powder Technology</i> , 2013, 249, 89-94.	2.1	13
268	Novel Preparation of Anatase TiO ₂ @Reduced Graphene Oxide Hybrids for High-Performance Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 6635-6642.	4.0	147
269	Influence of Multiwall Carbon Nanotubes Trapped at the Interface of an Immiscible Polymer Blend on Interfacial Tension. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 350-360.	1.1	34
270	High efficiency solid state dye sensitized solar cells with grapheneâ€Žpolyethylene oxide composite electrolytes. <i>Nanoscale</i> , 2013, 5, 5403.	2.8	54

#	ARTICLE	IF	CITATIONS
271	Revisiting the long-chain branch formation mechanism in metallocene catalyzed polyethylenes. <i>Polymer Chemistry</i> , 2013, 4, 3774.	1.9	29
272	Evaluation of relaxation spectra of linear, short, and long-chain branched polyethylenes. <i>Korea Australia Rheology Journal</i> , 2013, 25, 39-53.	0.7	11
273	Facile template-free and fast refluxing synthesis of 3D desertrose-like BiOCl nanoarchitectures with superior photocatalytic activity. <i>New Journal of Chemistry</i> , 2013, 37, 3207.	1.4	138
274	Quantifying primary loops in polymer gels by linear viscoelasticity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E1972.	3.3	18
275	Supramolecular Interaction Controlled Diffusion Mechanism and Improved Mechanical Behavior of Hybrid Hydrogel Systems of Zwitterions and CNT. <i>Macromolecules</i> , 2012, 45, 9804-9815.	2.2	46
276	Detecting very low levels of long-chain branching in metallocene-catalyzed polyethylenes. <i>Rheologica Acta</i> , 2012, 51, 821-840.	1.1	23
277	Rheological properties of electron beam-irradiated polypropylenes with different molar masses. <i>Rheologica Acta</i> , 2012, 51, 979-989.	1.1	19
278	On-line observation of hydrogels during swelling and LCST-induced changes. <i>Korea Australia Rheology Journal</i> , 2012, 24, 191-198.	0.7	10
279	Using relaxation spectra to understand molecular processes in ring polymers. <i>Korea Australia Rheology Journal</i> , 2012, 24, 199-203.	0.7	3
280	Comparison of Molecular Structure and Rheological Properties of Electron-Beam- and Gamma-Irradiated Polypropylene. <i>Macromolecules</i> , 2012, 45, 2057-2065.	2.2	65
281	Improvement of elasticity and strength of poly(N-isopropylacrylamide) hydrogels upon copolymerization with cationic surfmers. <i>Soft Matter</i> , 2011, 7, 6590.	1.2	28
282	Correlations between the Characteristic Rheological Quantities and Molecular Structure of Long-Chain Branched Metallocene Catalyzed Polyethylenes. <i>Macromolecules</i> , 2011, 44, 5401-5413.	2.2	40
283	Copolymer Hydrogels of Acrylic Acid and a Nonionic Surfmer: pH-Induced Switching of Transparency and Volume and Improved Mechanical Stability. <i>Langmuir</i> , 2011, 27, 2997-3005.	1.6	21
284	Synthesis and Characterization of Novel Ethylene- <i>graft</i> -Ethylene/Propylene Copolymers. <i>Macromolecules</i> , 2011, 44, 5053-5063.	2.2	34
285	Understanding the effect of short-chain branches by analyzing viscosity functions of linear and short-chain branched polyethylenes. <i>Korea Australia Rheology Journal</i> , 2011, 23, 185-193.	0.7	20
286	Rheological characterization in shear of a model dumbbell polymer concentrated solution. <i>Rheologica Acta</i> , 2011, 50, 491-501.	1.1	6
287	Thermorheological behavior of polyethylene: a sensitive probe to molecular structure. <i>Rheologica Acta</i> , 2011, 50, 559-575.	1.1	19
288	Happy birthday, Helmut M ¹ / ₄ nstedt. <i>Rheologica Acta</i> , 2011, 50, 429-431.	1.1	1

#	ARTICLE	IF	CITATIONS
289	Separation of short-chain branched polyolefins by high-temperature gradient adsorption liquid chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 1547-1556.	1.9	59
290	Dynamic-mechanical behavior of polyethylenes and ethene/ α -olefin-copolymers: Part II. α - and β -relaxation. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 954-963.	1.2	15
291	Dynamic-mechanical behavior of polyethylenes and ethene/ α -olefin-copolymers: Part III. β -relaxation. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 2057-2063.	1.2	12
292	Characterization of branched ultrahigh molar mass polymers by asymmetrical flow field-flow fractionation and size exclusion chromatography. <i>Journal of Chromatography A</i> , 2011, 1218, 4257-4267.	1.8	57
293	Crystal structure of ethene/ α -olefin copolymers with various long comonomers (C8–C26). <i>European Polymer Journal</i> , 2011, 47, 1048-1053.	2.6	2
294	Evidence of intra-chain phase separation in molten short-chain branched polyethylene. <i>EXPRESS Polymer Letters</i> , 2011, 5, 327-341.	1.1	7
295	Effect of incomplete datasets on the calculation of continuous relaxation spectra from dynamic-mechanical data. <i>Rheologica Acta</i> , 2010, 49, 1041-1057.	1.1	25
296	Long-Chain Branches in Syndiotactic Polypropene Induced by Vinyl Chloride. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 1472-1481.	1.1	13
297	Method for obtaining tube model parameters for commercial ethene/ α -olefin copolymers. <i>Journal of Rheology</i> , 2010, 54, 393-406.	1.3	32
298	Atom Transfer Radical Polymerization of Isobornyl Acrylate: A Kinetic Modeling Study. <i>Macromolecules</i> , 2010, 43, 8766-8781.	2.2	49
299	Thermoresponsive Copolymer Hydrogels on the Basis of <i>N</i> -Isopropylacrylamide and a Non-Ionic Surfactant Monomer: Swelling Behavior, Transparency and Rheological Properties. <i>Macromolecules</i> , 2010, 43, 9964-9971.	2.2	32
300	An Improved Method To Obtain Direct Rheological Evidence of Monomer Density Reequilibration for Entangled Polymer Melts. <i>Macromolecules</i> , 2010, 43, 9205-9209.	2.2	19
301	Elongational Rheology and Brillouin Light Scattering of Entangled Telechelic Polybutadiene Based Temporary Networks. <i>Macromolecules</i> , 2010, 43, 7771-7778.	2.2	27
302	Thermorheological Behavior of Various Short- and Long-Chain Branched Polyethylenes and Their Correlations with the Molecular Structure. <i>Macromolecules</i> , 2010, 43, 7341-7350.	2.2	64
303	Crystallite dimensions - characterization of ethene/ α -olefin Copolymers with various comonomers and comonomer Ccontents measured by small- and wide angle X-ray scattering. <i>E-Polymers</i> , 2009, 9, .	1.3	2
304	Correlations between the Shape of Viscosity Functions and the Molecular Structure of Long-Chain Branched Polyethylenes. <i>Macromolecular Materials and Engineering</i> , 2009, 294, 25-34.	1.7	40
305	A new method for the calculation of continuous relaxation spectra from dynamic-mechanical data. <i>Rheologica Acta</i> , 2009, 48, 33-49.	1.1	108
306	Influence of molar mass distribution and long-chain branching on strain hardening of low density polyethylene. <i>Rheologica Acta</i> , 2009, 48, 479-490.	1.1	80

#	ARTICLE	IF	CITATIONS
307	Avoiding waviness of relaxation spectra. <i>Rheologica Acta</i> , 2009, 48, 709-713.	1.1	14
308	Linear Viscoelastic Rheology of Moderately Entangled Telechelic Polybutadiene Temporary Networks. <i>Macromolecules</i> , 2009, 42, 6181-6192.	2.2	79
309	Temperature Dependence of the Linear Steady-State Shear Compliance of Linear and Long-Chain Branched Polyethylenes. <i>Macromolecules</i> , 2009, 42, 5676-5683.	2.2	34
310	Connecting micelles by metallo-supramolecular interactions: towards stimuli responsive hierarchical materials. <i>Soft Matter</i> , 2009, 5, 3409.	1.2	58
311	Dye-Adsorption-Induced Gelation of Suspensions of Spherical and Rodlike Zinc Oxide Nanoparticles in Organic Solvents. <i>Langmuir</i> , 2009, 25, 8473-8479.	1.6	12
312	Lattice sizes, crystallinities, and spacing between amorphous chains - characterization of ethene- β -olefin copolymers with various comonomers and comonomer contents measured by wide angle X-ray scattering. <i>E-Polymers</i> , 2009, 9, .	1.3	5
313	Numerical description of shear viscosity functions of long-chain branched metallocene-catalyzed polyethylenes. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2008, 151, 129-135.	1.0	34
314	Thermorheological Behavior of Various Long-Chain Branched Polyethylenes. <i>Macromolecules</i> , 2008, 41, 1328-1333.	2.2	84
315	Terminal viscous and elastic properties of linear ethene- β -olefin copolymers. <i>Journal of Rheology</i> , 2008, 52, 697-712.	1.3	47
316	Temperature Dependence of the Elastic Compliance of Polyethylenes with Different Molecular Structure. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	0
317	Elastic and Viscous Properties of Linear and Long-Chain Branched Ethene- β -Olefin Copolymers in the Terminal Regime. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	3
318	Influence of the Molecular Structure of Polyolefins on the Damping Function in Shear. <i>Macromolecules</i> , 2008, 41, 3720-3726.	2.2	25
319	Linear and Nonlinear Rheological Characterization of Temporary Networks of Telechelic Polybutadiene. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	2
320	Influence of Short-Chain Branching of Polyethylenes on the Temperature Dependence of Rheological Properties in Shear. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 2449-2454.	1.1	75
321	Synthesis and Characterization of Novel Ethene- <i>graft</i> -Ethene/Propene Copolymers. <i>Macromolecular Rapid Communications</i> , 2007, 28, 1472-1478.	2.0	31
322	Comparison of the elongational behavior of various polyolefins in uniaxial and equibiaxial flows. <i>Rheologica Acta</i> , 2007, 46, 1003-1012.	1.1	64
323	Influence of Type and Content of Various Comonomers on Long-Chain Branching of Ethene/ β -Olefin Copolymers. <i>Macromolecules</i> , 2006, 39, 1474-1482.	2.2	115
324	Dependence of the zero shear-rate viscosity and the viscosity function of linear high-density polyethylenes on the mass-average molar mass and polydispersity. <i>Rheologica Acta</i> , 2006, 45, 755-764.	1.1	111

#	ARTICLE	IF	CITATIONS
325	Structure-Property Relationships of Linear and Long-Chain Branched Metallocene High-Density Polyethylenes Characterized by Shear Rheology and SEC-MALLS. <i>Macromolecular Chemistry and Physics</i> , 2006, 207, 26-38.	1.1	92
326	Rheological Characterization of Long-chain Branched Polyethylenes and Comparison with Classical Analytical Methods. <i>Macromolecular Symposia</i> , 2006, 236, 209-218.	0.4	56
327	Dynamic-mechanical behavior of polyethylenes and ethene- α -olefin-copolymers. Part I. α -Relaxation. <i>Polymer</i> , 2005, 46, 10311-10320.	1.8	53
328	Study the Effects of Supramolecular Interaction on Diffusion Kinetics in Hybrid Hydrogels of Zwitterionic Polymers and CNTs. <i>Macromolecular Chemistry and Physics</i> , 0, , 2100348.	1.1	3