

Nikhil Kumar Singha

List of Publications by Year in descending order

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125
papers

6,030
citations

101543

36
h-index

79698

73
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125
all docs

125
docs citations

125
times ranked

6524
citing authors

#	ARTICLE	IF	CITATIONS
1	Progress in preparation, processing and applications of polyaniline. <i>Progress in Polymer Science</i> , 2009, 34, 783-810.	24.7	1,619
2	Effect of foam density on the properties of water blown rigid polyurethane foam. <i>Journal of Applied Polymer Science</i> , 2008, 108, 1810-1817.	2.6	258
3	“Click Chemistry” in Tailor-Made Polymethacrylates Bearing Reactive Furfuryl Functionality: A New Class of Self-Healing Polymeric Material. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 1427-1436.	8.0	190
4	Electrochemical synthesis of polyaniline and its comparison with chemically synthesized polyaniline. <i>Journal of Applied Polymer Science</i> , 2007, 104, 1900-1904.	2.6	162
5	Effect of expandable graphite on the properties of intumescent flame-retardant polyurethane foam. <i>Journal of Applied Polymer Science</i> , 2008, 110, 2586-2594.	2.6	140
6	Fabrication of Reduced Graphene Oxide/Silver Nanoparticles Decorated Conductive Cotton Fabric for High Performing Electromagnetic Interference Shielding and Antibacterial Application. <i>Fibers and Polymers</i> , 2019, 20, 1161-1171.	2.1	140
7	Smart “All Acrylate”-ABA Triblock Copolymer Bearing Reactive Functionality via Atom Transfer Radical Polymerization (ATRP): Demonstration of a “Click Reaction” in Thermoreversible Property. <i>Macromolecules</i> , 2010, 43, 3193-3205.	4.8	134
8	Polyaniline by new miniemulsion polymerization and the effect of reducing agent on conductivity. <i>Synthetic Metals</i> , 2006, 156, 1148-1154.	3.9	133
9	Improvement of conductivity of electrochemically synthesized polyaniline. <i>Journal of Applied Polymer Science</i> , 2008, 108, 57-64.	2.6	112
10	Side-Chain Peptide-Synthetic Polymer Conjugates via Tandem “Ester-Amide/Thiol”-Ene Post-Polymerization Modification of Poly(pentafluorophenyl methacrylate) Obtained Using ATRP. <i>Biomacromolecules</i> , 2011, 12, 2908-2913.	5.4	95
11	Self-Healable and Ultrahydrophobic Polyurethane-POSS Hybrids by Diels-Alder “Click” Reaction: A New Class of Coating Material. <i>Macromolecules</i> , 2018, 51, 4770-4781.	4.8	90
12	A tailor-made polymethacrylate bearing a reactive diene in reversible diels-alder reaction. <i>Journal of Polymer Science Part A</i> , 2007, 45, 4441-4449.	2.3	87
13	Dielectric properties and EMI shielding efficiency of polyaniline and ethylene 1-octene based semi-conducting composites. <i>Current Applied Physics</i> , 2009, 9, 396-403.	2.4	82
14	Effect of aromatic substitution in aniline on the properties of polyaniline. <i>European Polymer Journal</i> , 2008, 44, 1763-1770.	5.4	78
15	Tuning the Properties and Self-Healing Behavior of Ionically Modified Poly(isobutylene- <i>co</i> -isoprene) Rubber. <i>Macromolecules</i> , 2018, 51, 468-479.	4.8	77
16	Effect of different reaction parameters on the conductivity and dielectric properties of polyaniline synthesized electrochemically and modeling of conductivity against reaction parameters through regression analysis. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 2046-2059.	2.1	75
17	Atom-Transfer Radical Copolymerization of Furfuryl Methacrylate (FMA) and Methyl Methacrylate (MMA): A Thermally Amendable Copolymer. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 2569-2577.	2.2	68
18	Self-Healable Antifouling Zwitterionic Hydrogel Based on Synergistic Phototriggered Dynamic Disulfide Metathesis Reaction and Ionic Interaction. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 27391-27406.	8.0	67

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19	Effect of a Nanoclay on the Mechanical, Thermal and Flame Retardant Properties of Rigid Polyurethane Foam. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2009, 46, 704-712.	2.2	64
20	Mechanical, Morphological and Thermal Properties of Rigid Polyurethane Foam: Effect of the Fillers. <i>Frontiers in Forests and Global Change</i> , 2007, 26, 245-259.	1.1	60
21	Dual functionality of PTSA as electrolyte and dopant in the electrochemical synthesis of polyaniline, and its effect on electrical properties. <i>Polymer International</i> , 2007, 56, 919-927.	3.1	59
22	Self-healing polymeric gel via RAFT polymerization and Diels-Alder click chemistry. <i>Polymer</i> , 2015, 69, 349-356.	3.8	59
23	Beneficial Effect of Nanoclay in Atom Transfer Radical Polymerization of Ethyl Acrylate: A One Pot Preparation of Tailor-Made Polymer Nanocomposite. <i>Macromolecules</i> , 2008, 41, 50-57.	4.8	54
24	Self-Healable Polyurethane Elastomer Based on Dual Dynamic Covalent Chemistry Using Diels-Alder Click and Disulfide Metathesis Reactions. <i>ACS Applied Polymer Materials</i> , 2021, 3, 847-856.	4.4	53
25	Melt viscoelastic properties of peroxide cured polypropylene-ethylene octene copolymer thermoplastic vulcanizates. <i>Polymer Engineering and Science</i> , 2010, 50, 455-467.	3.1	51
26	Dynamically vulcanized blends of polypropylene and ethylene-octene copolymer: Comparison of different peroxides on mechanical, thermal, and morphological characteristics. <i>Journal of Applied Polymer Science</i> , 2009, 113, 1836-1852.	2.6	50
27	Semiconductive composites from ethylene 1-octene copolymer and polyaniline coated nylon 6: Studies on mechanical, thermal, processability, electrical, and EMI shielding properties. <i>Polymer Engineering and Science</i> , 2008, 48, 995-1006.	3.1	47
28	Atom Transfer Radical Polymerization of 3-Ethyl-3-(acryloyloxy)methyloxetane. <i>Macromolecules</i> , 2005, 38, 3596-3600.	4.8	44
29	Homogeneous catalytic hydrogenation of natural rubber using RhCl(PPh ₃) ₃ . <i>Journal of Applied Polymer Science</i> , 1997, 66, 1647-1652.	2.6	41
30	Mass spectrometry of poly(methyl methacrylate) (PMMA) prepared by atom transfer radical polymerization (ATRP). <i>European Polymer Journal</i> , 2004, 40, 159-163.	5.4	38
31	Synthesis of poly(2-ethylhexyl acrylate)/clay nanocomposite by <i>in situ</i> living radical polymerization. <i>Journal of Polymer Science Part A</i> , 2011, 49, 1564-1571.	2.3	38
32	Acrylic AB and ABA Block Copolymers Based on Poly(2-ethylhexyl acrylate) (PEHA) and Poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	8.0	38
33	A new class of self-healable hydrophobic materials based on ABA triblock copolymer via RAFT polymerization and Diels-Alder click chemistry. <i>Polymer</i> , 2017, 119, 195-205.	3.8	38
34	Polyurethane with an ionic liquid crosslinker: a new class of super shape memory-like polymers. <i>Polymer Chemistry</i> , 2018, 9, 4205-4217.	3.9	38
35	Tailor-made hybrid nanostructure of poly(ethyl acrylate)/clay by surface-initiated atom transfer radical polymerization. <i>Journal of Polymer Science Part A</i> , 2008, 46, 5014-5027.	2.3	37
36	Modified chitosan encapsulated core-shell Ag Nps for superior antimicrobial and anticancer activity. <i>International Journal of Biological Macromolecules</i> , 2016, 85, 157-167.	7.5	37

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37	Polymer nano-hybrid material based on graphene oxide/POSS via surface initiated atom transfer radical polymerization (SI-ATRP): Its application in specialty hydrogel system. <i>Polymer</i> , 2016, 103, 46-56.	3.8	36
38	Effects of mixing sequence on peroxide cured polypropylene (PP)/ethylene octene copolymer (EOC) thermoplastic vulcanizates (TPVs). Part. II. Viscoelastic characteristics. <i>Journal of Polymer Research</i> , 2011, 18, 31-39.	2.4	35
39	Dynamically vulcanized blends of polypropylene and ethylene octene copolymer: Influence of various coagents on mechanical and morphological characteristics. <i>Journal of Applied Polymer Science</i> , 2009, 113, 3207-3221.	2.6	33
40	Tailor-made polyfluoroacrylate and its block copolymer by RAFT polymerization in miniemulsion; improved hydrophobicity in the core-shell block copolymer. <i>Journal of Colloid and Interface Science</i> , 2013, 408, 66-74.	9.4	33
41	Stimuli-Responsive Zwitterionic Core-Shell Microgels for Antifouling Surface Coatings. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 58223-58238.	8.0	33
42	Tailor-Made Fluorinated Copolymer/Clay Nanocomposite by Cationic RAFT Assisted Pickering Miniemulsion Polymerization. <i>Langmuir</i> , 2015, 31, 12472-12480.	3.5	32
43	Dual-Responsive Self-Healable Carboxylated Acrylonitrile Butadiene Rubber Based on Dynamic Diels-Alder Click Chemistry and Disulfide Metathesis Reaction. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2000626.	3.6	31
44	Synthesis and characterization of elastomeric polyurethane and PU/clay nanocomposites based on an aliphatic diisocyanate. <i>Journal of Applied Polymer Science</i> , 2013, 130, 3328-3334.	2.6	30
45	Copolymerization of 2,2,3,3,4,4,4-heptafluorobutyl acrylate with butyl acrylate via RAFT polymerization. <i>Journal of Fluorine Chemistry</i> , 2014, 165, 109-115.	1.7	30
46	A novel ionomeric polyurethane elastomer based on ionic liquid as crosslinker. <i>RSC Advances</i> , 2016, 6, 99404-99413.	3.6	30
47	Tailor-made thermoreversible functional polymer via RAFT polymerization in an ionic liquid: a remarkably fast polymerization process. <i>Green Chemistry</i> , 2016, 18, 6115-6122.	9.0	30
48	Synthesis of a self-healable and pH responsive hydrogel based on an ionic polymer/clay nanocomposite. <i>RSC Advances</i> , 2016, 6, 81654-81665.	3.6	30
49	Atom-transfer radical polymerization of methyl methacrylate (MMA) using CuSCN as the catalyst. <i>Macromolecular Rapid Communications</i> , 2000, 21, 1116-1120.	3.9	29
50	A new class of dual responsive self-healable hydrogels based on a core crosslinked ionic block copolymer micelle prepared via RAFT polymerization and Diels-Alder click chemistry. <i>Soft Matter</i> , 2017, 13, 9024-9035.	2.7	28
51	A self-healable and antifouling hydrogel based on PDMS centered ABA tri-block copolymer polymersomes: a potential material for therapeutic contact lenses. <i>Journal of Materials Chemistry B</i> , 2020, 8, 226-243.	5.8	28
52	Structure and properties of tailor-made poly(ethyl acrylate)/clay nanocomposites prepared by in situ atom transfer radical polymerization. <i>Journal of Applied Polymer Science</i> , 2008, 108, 2398-2407.	2.6	27
53	Antimicrobial cotton fibre coated with UV cured colloidal natural rubber latex: A sustainable material. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 566, 176-187.	4.7	27
54	Biobased Thermoplastic Elastomer Based on an SMS Triblock Copolymer Prepared via RAFT Polymerization in Aqueous Medium. <i>Macromolecules</i> , 2021, 54, 1478-1488.	4.8	27

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55	Tailor-made poly(ethyl acrylate) by atom transfer radical polymerization. <i>Journal of Polymer Science Part A</i> , 2007, 45, 1661-1669.	2.3	26
56	Dual-Temperature-Responsive Microgels from a Zwitterionic Functional Graft Copolymer with Superior Protein Repelling Property. <i>ACS Macro Letters</i> , 2020, 9, 895-901.	4.8	26
57	High temperature resistant tailor-made poly(meth)acrylates bearing adamantyl group via atom transfer radical polymerization. <i>Journal of Polymer Science Part A</i> , 2008, 46, 7101-7113.	2.3	25
58	Direct functionalization of multi-walled carbon nanotubes (MWCNTs) via grafting of poly(furfuryl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 94321-94327.	3.6	25
59	A New Method to Hydrogenate Nitrile Rubber in the Latex Form. <i>Rubber Chemistry and Technology</i> , 1995, 68, 281-286.	1.2	24
60	Thermally amendable tailor-made functional polymer by RAFT polymerization and "click reaction". <i>Journal of Polymer Science Part A</i> , 2013, 51, 3365-3374.	2.3	24
61	A muscle mimetic polyelectrolyte "nanoclay organic" inorganic hybrid hydrogel: its self-healing, shape-memory and actuation properties. <i>Journal of Materials Chemistry B</i> , 2019, 7, 1475-1493.	5.8	24
62	REDOX Responsive Fluorescence Active Glycopolymer Based Nanogel: A Potential Material for Targeted Anticancer Drug Delivery. <i>ACS Applied Bio Materials</i> , 2019, 2, 2587-2599.	4.6	24
63	Methacrylate/acrylate ABA triblock copolymers by atom transfer radical polymerization; their properties and application as a mediator for organically dispersible gold nanoparticles. <i>Polymer</i> , 2009, 50, 3259-3268.	3.8	23
64	Reversible addition "fragmentation chain transfer (RAFT) polymerization of 2,2,3,3,4,4,4-heptafluorobutyl acrylate (HFBA). <i>Journal of Fluorine Chemistry</i> , 2013, 153, 137-142.	1.7	23
65	Fluorinated amphiphilic block copolymers via RAFT polymerization and their application as surf-RAFT agent in miniemulsion polymerization. <i>RSC Advances</i> , 2015, 5, 15461-15468.	3.6	23
66	A healable thermo-reversible functional polymer prepared via RAFT polymerization and ultrafast "click" chemistry using a triazolinedione derivative. <i>Chemical Communications</i> , 2017, 53, 8715-8718.	4.1	23
67	Smart Polyacrylate Emulsion Based on a New ABC-Type Triblock Copolymer via RAFT-Mediated Surfactant-Free Miniemulsion Polymerization: Its Multifunctional Properties. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 44722-44734.	8.0	23
68	Ag NPs incorporated self-healable thermoresponsive hydrogel using precise structural "interlocking" complex of polyelectrolyte BCPs: A potential new wound healing material. <i>Chemical Engineering Journal</i> , 2021, 405, 126436.	12.7	23
69	Controlled Radical Polymerization of Furfuryl Methacrylate. <i>Macromolecular Symposia</i> , 2006, 240, 232-237.	0.7	22
70	Copper catalyzed atom transfer radical copolymerization of glycidyl methacrylate and "ethylhexyl acrylate. <i>Journal of Polymer Science Part A</i> , 2009, 47, 6526-6533.	2.3	21
71	A new healable polymer material based on ultrafast Diels "Alder "click" chemistry using triazolinedione and fluorescent anthracyl derivatives: a mechanistic approach. <i>Polymer Chemistry</i> , 2019, 10, 5070-5079.	3.9	21
72	Macromolecular engineering in functional polymers via "click chemistry" using triazolinedione derivatives. <i>Progress in Polymer Science</i> , 2021, 113, 101343.	24.7	21

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73	Self-healing hydrophobic POSS-functionalized fluorinated copolymers via RAFT polymerization and dynamic Diels-Alder reaction. <i>Polymer Chemistry</i> , 2021, 12, 876-884.	3.9	21
74	Tailor-Made Poly(methyl acrylate) bearing Amantadine Functionality (Amino Adamantyl) via Atom Transfer Radical Polymerization (ATRP). A Precursor of a Supramolecular Cross-Linked Polymer. <i>Macromolecules</i> , 2009, 42, 5499-5508.	4.8	20
75	Electrochemical synthesis of nanostructured polyaniline: Heat treatment and synergistic effect of simultaneous dual doping. <i>Journal of Applied Polymer Science</i> , 2013, 129, 1264-1273.	2.6	20
76	Modification of Chlorinated Poly(propylene) via Atom Transfer Radical Graft Copolymerization of 2-Ethylhexyl Acrylate: A Brush-like Graft Copolymer. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 478-484.	2.2	19
77	Syntheses and morphologies of fluorinated diblock copolymer prepared via RAFT polymerization. <i>Journal of Fluorine Chemistry</i> , 2016, 189, 51-58.	1.7	19
78	A self-healable fluorescence active hydrogel based on ionic block copolymers prepared via ring opening polymerization and xanthate mediated RAFT polymerization. <i>Polymer Chemistry</i> , 2018, 9, 1190-1205.	3.9	19
79	Designing superhydrophobic surface based on fluoropolymer-silica nanocomposite via RAFT-mediated polymerization-induced self-assembly. <i>Journal of Polymer Science Part A</i> , 2018, 56, 266-275.	2.3	19
80	Thermally amendable and thermally stable thin film of POSS tethered Poly(methyl methacrylate) (PMMA) synthesized by ATRP. <i>European Polymer Journal</i> , 2016, 75, 276-290.	5.4	18
81	Amphiphilic functional block copolymers bearing a reactive furfuryl group via RAFT polymerization; reversible core cross-linked micelles via a Diels-Alder click reaction. <i>RSC Advances</i> , 2016, 6, 2455-2463.	3.6	18
82	Self-healable ultrahydrophobic modified bio-based elastomer using Diels-Alder click chemistry™. <i>European Polymer Journal</i> , 2021, 146, 110204.	5.4	18
83	Zwitterionic Nanogels and Microgels: An Overview on Their Synthesis and Applications. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2100112.	3.9	18
84	Effect of ionic liquids on the RAFT polymerization of butyl methacrylate. <i>European Polymer Journal</i> , 2018, 107, 294-302.	5.4	17
85	Aqueous solution behavior of thermoresponsive polyzwitterionic microgels based on poly(N-vinylcaprolactam) synthesized via RAFT precipitation polymerization. <i>European Polymer Journal</i> , 2019, 118, 195-204.	5.4	17
86	Tailor-Made Functional Polymethacrylates with Dual Characteristics of Self-Healing and Shape-Memory Based on Dynamic Covalent Chemistry. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 2000142.	3.6	17
87	Self-healable hydrophobic polymer material having urethane linkages via a non-isocyanate route and dynamic Diels-Alder click™ reaction. <i>Chemical Communications</i> , 2021, 57, 1149-1152.	4.1	17
88	Chemical modification of metallocene-based polyolefinic elastomers by acrylic acid and its influence on physico-mechanical properties: Effect of reaction parameters, crystallinity and pendant chain length. <i>Journal of Polymer Science Part A</i> , 2007, 45, 5529-5540.	2.3	16
89	Synthesis and Characterization of All Acrylic Block Copolymer/Clay Nanocomposites Prepared via Surface Initiated Atom Transfer Radical Polymerization (SI-ATRP). <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 9760-9768.	3.7	16
90	A dual thermoresponsive and antifouling zwitterionic microgel with pH triggered fluorescent on-off-core. <i>Journal of Colloid and Interface Science</i> , 2021, 589, 110-126.	9.4	16

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91	Mechanical, dynamic mechanical, morphological, thermal behavior and processability of polyaniline and ethylene 1-octene based semi-conducting composites. <i>Journal of Applied Polymer Science</i> , 2008, 107, 2486-2493.	2.6	15
92	Graphene Quantum Dots-Ornamented Waterborne Epoxy-Based Fluorescent Adhesive via Reversible Addition-Fragmentation Chain Transfer-Mediated Miniemulsion Polymerization: A Potential Material for Art Conservation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 36307-36319.	8.0	15
93	Atom transfer radical polymerization of hexyl acrylate and preparation of its all-acrylate-block copolymers. <i>Journal of Polymer Science Part A</i> , 2008, 46, 3499-3511.	2.3	14
94	Atom Transfer Radical Polymerization (ATRP) of Methyl Methacrylate using a Functional Initiator Bearing an Amino-Adamantane. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 1536-1543.	2.2	14
95	Chemical modification of metallocene-based polyethylene-octene elastomer through solution grafting of acrylic acid and its effect on the physico-mechanical properties. <i>Journal of Applied Polymer Science</i> , 2007, 105, 3409-3417.	2.6	13
96	Atom Transfer Radical Polymerization of Glycidyl Methacrylate (GMA) in Emulsion. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2013, 50, 121-127.	2.2	13
97	Thermoresponsive zwitterionic poly(phosphobetaine) microgels: Effect of macroRAFT chain length and crosslinker molecular weight on their antifouling properties. <i>Polymers for Advanced Technologies</i> , 2021, 32, 2710.	3.2	13
98	Homogeneous catalytic hydrogenation of poly(styrene-co-butadiene) using a ruthenium based Wilkinson catalyst. <i>Polymer Bulletin</i> , 1995, 35, 121-128.	3.3	12
99	Acrylic ABA triblock copolymer bearing pendant reactive bicycloalkenyl functionality via ATRP and tuning its properties using thiol-ene chemistry. <i>Polymer</i> , 2014, 55, 5576-5583.	3.8	12
100	Recent advances in RDRP-modified chitosan: a review of its synthesis, properties and applications. <i>Polymer Chemistry</i> , 2020, 11, 6718-6738.	3.9	12
101	POSS and fluorine containing nanostructured block copolymer; Synthesis via RAFT polymerization and its application as hydrophobic coating material. <i>European Polymer Journal</i> , 2020, 131, 109679.	5.4	12
102	Tunable Morphology and Hydrophobicity of Polyfluoroacrylate/Clay Nanocomposite Prepared by In Situ RAFT Polymerization in Miniemulsion. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 650-661.	2.2	11
103	Self-assembly behavior of POSS based ABA type amphiphilic tri-block copolymer prepared via ATRP. <i>European Polymer Journal</i> , 2019, 118, 10-16.	5.4	11
104	Fast ES-Click Reaction Involving Furfuryl and Triazolinedione Functionalities toward Designing a Healable Polymethacrylate. <i>Macromolecules</i> , 2020, 53, 8313-8323.	4.8	11
105	Thermally amendable tailor-made acrylate copolymers via RAFT polymerization and ultrafast alder-click chemistry. <i>Journal of Polymer Science Part A</i> , 2018, 56, 2310-2318.	2.3	10
106	RAFT polymerization of 2-hydroxyethyl methacrylate in a deep eutectic solvent. <i>Journal of Polymer Science Part A</i> , 2019, 57, 2281-2286.	2.3	10
107	Precise synthesis of thermoreversible block copolymers containing reactive furfuryl groups via living anionic polymerization: the counteraction effect on block copolymerization behavior. <i>Polymer Chemistry</i> , 2015, 6, 6732-6738.	3.9	9
108	Tailor-made polymethacrylate bearing bicyclo-alkenyl functionality via selective ATRP at ambient temperature and its post-polymerization modification by thiol-ene reaction. <i>RSC Advances</i> , 2014, 4, 5293.	3.6	8

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109	Self-stratifying amphiphobic coating based on functional polyacrylates. Progress in Organic Coatings, 2021, 152, 106106.	3.9	8
110	Selective atom transfer radical polymerization of 1,2,3,6-tetrahydrobenzyl methacrylate (THBMA) and demonstration of thiol-ene addition reaction in the pendant cycloalkenyl functional group. European Polymer Journal, 2015, 67, 21-30.	5.4	7
111	Gold Nanoparticle Embedded Stimuli-Responsive Functional Glycopolymer: A Potential Material for Synergistic Chemo-Photodynamic Therapy of Cancer Cells. Macromolecular Bioscience, 2022, 22, .	4.1	7
112	Polyurethane-POSS hybrid materials: by solution blending and in-situ polymerization processes. Bulletin of Materials Science, 2020, 43, 1.	1.7	5
113	Stimuli-Responsive Block Copolymer Micelles Based on Mussel-Inspired Metal-Coordinated Supramolecular Networks. Macromolecular Rapid Communications, 2021, 42, e2100312.	3.9	5
114	Tailor-made glycopolymers via reversible deactivation radical polymerization: design, properties and applications. Polymer Chemistry, 2022, 13, 1458-1483.	3.9	5
115	TUNING PROPERTIES AND MORPHOLOGY IN HIGH VINYL CONTENT SBS BLOCK COPOLYMER, A THERMOPLASTIC ELASTOMER VIA THIOL-ENE MODIFICATION. Rubber Chemistry and Technology, 2017, 90, 550-561.	1.2	4
116	Thermoplastic elastomer blend based on EMA and NBR; optimization of process parameters. Journal of Applied Polymer Science, 2020, 137, 48900.	2.6	4
117	A Thermoplastic Polyurethane /Nanosilica Composite via Melt Mixing Process and its Properties. Silicon, 2021, 13, 1041-1049.	3.3	4
118	Self-healable functional polymers based on Diels-Alder click chemistry involving substituted furan and triazolinedione derivatives: a simple and very fast approach. Polymer Chemistry, 2021, 12, 6283-6290.	3.9	4
119	Dual Stimuli-Responsive Self-Assembly Behavior of a Tailor-Made ABC-Type Amphiphilic Triblock Copolymer. Journal of Polymer Science, 2020, 58, 843-851.	3.8	4
120	Glycopolymer ornamented octa-arm POSS based organic-inorganic hybrid star block copolymer as a lectin binding ligand. Materials Science and Engineering C, 2020, 116, 111210.	7.3	3
121	Fluorine and Siloxane Free Waterborne Near Superhydrophobic Organic Coating Based on Styrene Acrylic Polymer Emulsion through Surface Engineering. Macromolecular Materials and Engineering, 2021, 306, 2100676.	3.6	3
122	Structure-property relationship of highly crosslinked rubber-iron oxide composite based on chloroprene rubber (CR) as well as on nitrile rubber (NBR); a comparative study using different models. Journal of Macromolecular Science - Pure and Applied Chemistry, 2021, 58, 59-68.	2.2	2
123	Self-Healable Hydrophobic Material Based on Anthracenyl Functionalized Fluorous Block Copolymers via Reversible Addition-Fragmentation Chain Transfer Polymerization and Rapid Diels-Alder Reaction. Macromolecular Materials and Engineering, 2021, 306, 2100307.	3.6	1
124	Polydimethylsiloxane based polyurethane and its composite with layered double hydroxide: Synthesis and its thermal properties. Polymer Engineering and Science, 2021, 61, 3163-3169.	3.1	1
125	Modification of specialty elastomers using POSS derivatives. , 2021, , 81-95.		0