

Sabu Thomas

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1131/sabu-thomas-publications-by-year.pdf>

Version: 2024-04-17

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

593
papers

30,887
citations

84
h-index

147
g-index

610
ext. papers

34,022
ext. citations

4.1
avg, IF

7.48
L-index

#	Paper	IF	Citations
593	Thin and efficient EMI shielding materials from binary thermoplastic blend nanocomposites. <i>Polymers for Advanced Technologies</i> , 2022 , 33, 966-979	3.2	2
592	Mechanical responses of epoxy/cloisite nanocomposites. <i>Materials Chemistry and Physics</i> , 2022 , 281, 125755	4.4	3
591	Integration of antifouling properties into epoxy coatings: a review 2022 , 19, 269		2
590	Modeling of dynamic mechanical curves of kenaf/polyester composites using surface response methodology. <i>Journal of Applied Polymer Science</i> , 2022 , 139, 52078	2.9	2
589	Lithium-ion battery separators based on electrospun PVDF: A review. <i>Surfaces and Interfaces</i> , 2022 , 101977	4.7	2
588	Recent advances in bio-inspired multifunctional coatings for corrosion protection. <i>Progress in Organic Coatings</i> , 2022 , 168, 106858	4.8	1
587	Shape Memory Materials from Rubbers. <i>Materials</i> , 2021 , 14,	3.5	2
586	Fabrication of Silver-Decorated Graphene Oxide Nanohybrids via Pulsed Laser Ablation with Excellent Antimicrobial and Optical Limiting Performance. <i>Nanomaterials</i> , 2021 , 11,	5.4	4
585	Discussion on degree of entanglement, chain confinement, and reinforcement efficiency factor of PTT/PE blend nanocomposite embedded with MWCNTs. <i>Polymers for Advanced Technologies</i> , 2021 , 32, 2916-2928	3.2	2
584	Sugarcane Bagasse-Derived Activated Carbon- (AC-) Epoxy Vitrimer Biocomposite: Thermomechanical and Self-Healing Performance. <i>International Journal of Polymer Science</i> , 2021 , 2021, 1-7	2.4	4
583	Interfacial tuning and designer morphologies of microporous membranes based on polypropylene/natural rubber nanocomposites. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 51208	2.9	3
582	Analysis of diffusion characteristics for aromatic solvents through carbon black filled natural rubber/ butadiene rubber blends. <i>Polymer Composites</i> , 2021 , 42, 375-396	3	5
581	Influence of carbon black on cure properties and mechanical strength of natural rubber/butadiene rubber blends. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2021 , 58, 69-80	2.2	3
580	Growth factor loaded in situ photocrosslinkable poly(3-hydroxybutyrate-co-3-hydroxyvalerate)/gelatin methacryloyl hybrid patch for diabetic wound healing. <i>Materials Science and Engineering C</i> , 2021 , 118, 111519	8.3	37
579	Compatibilization of epoxidized triblock copolymer on the generation of self-assembled nanostructured epoxies and their surface wettability. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 49985 ⁹	2.9	4
578	Effect of freeze-dried durian skin nanofiber on the physical properties of poly(lactic acid) biocomposites. <i>Polymer Composites</i> , 2021 , 42, 842-848	3	4
577	Natural rubber latex-based adhesives: role of nanofillers. <i>Journal of Adhesion Science and Technology</i> , 2021 , 35, 406-418	2	5

576	Miscibility, microstructure, and in situ cure analysis of epoxy/BAN/loisite 20A nanocomposites. <i>New Journal of Chemistry</i> , 2021 , 45, 1395-1403	3.6	4
575	Exploring the optical limiting, photocatalytic and antibacterial properties of the BiFeO-NaNbO nanocomposite system.. <i>RSC Advances</i> , 2021 , 11, 8450-8458	3.7	2
574	Evaluation of Corrosion Protection of Self-Healing Coatings Containing Tung and Copaiba Oil Microcapsules. <i>International Journal of Polymer Science</i> , 2021 , 2021, 1-13	2.4	3
573	Theoretical Study on Understanding the Effects of Core Structure and Energy Level Tuning on Efficiency of Nonfullerene Acceptors in Organic Solar Cells. <i>Advanced Theory and Simulations</i> , 2021 , 4, 2100019	3.5	0
572	Extraction and optimization of Penicillium sclerotiorum strain AK-1 pigment for fabric dyeing. <i>Journal of Basic Microbiology</i> , 2021 , 61, 900-909	2.7	1
571	Enhanced mechanical and thermal performance of multiwalled carbon nanotubes-filled polypropylene/natural rubber thermoplastic elastomers. <i>New Journal of Chemistry</i> , 2021 , 45, 4963-4976	3.6	4
570	Fabrication and functionalization of 3D-printed soft and hard scaffolds with growth factors for enhanced bioactivity.. <i>RSC Advances</i> , 2020 , 10, 37928-37937	3.7	5
569	Additive Manufacturing of Poly (E)Caprolactone) for Tissue Engineering. <i>Jom</i> , 2020 , 72, 4127-4138	2.1	3
568	A porous organic polymer-coated permselective separator mitigating self-discharge of lithium sulfur batteries. <i>Materials Advances</i> , 2020 , 1, 648-657	3.3	8
567	Transport and solvent sensing characteristics of styrene butadiene rubber nanocomposites containing imidazolium ionic liquid modified carbon nanotubes. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 49429	2.9	3
566	An overview of viscoelastic phase separation in epoxy based blends. <i>Soft Matter</i> , 2020 , 16, 3363-3377	3.6	9
565	Second harmonic scattering from mass characterized 2D graphene oxide sheets. <i>Chemical Communications</i> , 2020 , 56, 3859-3862	5.8	13
564	Effect of filler loading on polymer chain confinement and thermomechanical properties of epoxy/boron nitride (h-BN) nanocomposites. <i>New Journal of Chemistry</i> , 2020 , 44, 4494-4503	3.6	37
563	The role of milling time on the morphological and mechanical properties of wood flour and their polypropylene composites. <i>Functional Composites and Structures</i> , 2020 , 2, 035007	3.5	
562	Eco-friendly foam biocomposites based on cellulose extracted from date palm leaves and low-density polyethylene. <i>Functional Composites and Structures</i> , 2020 , 2, 045004	3.5	2
561	Cure acceleration and plasticizing effect of imidazolium ionic liquid on the properties of natural rubber/carbon nanotube composites. <i>Functional Composites and Structures</i> , 2020 , 2, 035003	3.5	3
560	Covalent anchoring of atomically precise glutathione-protected gold nanoclusters on graphene oxide nanosheets. <i>Nano Express</i> , 2020 , 1, 030005	2	1
559	Rubber/Rubber blends: A critical review. <i>Progress in Rubber, Plastics and Recycling Technology</i> , 2020 , 36, 196-242	1.7	9

558	Defect-focused analysis of calcium-substitution-induced structural transformation of magnesium ferrite nanocrystals. <i>New Journal of Chemistry</i> , 2020 , 44, 1556-1570	3.6	5
557	Constructing sustained-release herbicide formulations based on poly-3-hydroxybutyrate and natural materials as a degradable matrix. <i>Pest Management Science</i> , 2020 , 76, 1772-1785	4.6	7
556	Surface and morphology analyses, and voltammetry studies for electrochemical determination of cerium(iii) using a graphene nanobud-modified-carbon felt electrode in acidic buffer solution (pH 4.0 ± 0.05).. <i>RSC Advances</i> , 2020 , 10, 37409-37418	3.7	5
555	NiFe ₂ O ₄ /poly(ethylene glycol)/lipid-polymer hybrid nanoparticles for anti-cancer drug delivery. <i>New Journal of Chemistry</i> , 2020 , 44, 18162-18172	3.6	9
554	Cutting edge development on graphene derivatives modified by liquid crystal and CdS/TiO ₂ hybrid matrix: optoelectronics and biotechnological aspects. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2020 , 1-65	10.1	37
553	Positron annihilation spectroscopic characterization of free-volume defects and their correlations with the mechanical and transport properties of SBR-PMMA interpenetrating polymer networks. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 18169-18182	3.6	8
552	Thermal and electrical properties of phenol formaldehyde foams reinforcing with reduced graphene oxide. <i>Polymer Composites</i> , 2020 , 41, 4329-4339	3	5
551	Bionanocomposites as industrial materials, current and future perspectives: a review. <i>Emergent Materials</i> , 2020 , 3, 711-725	3.5	11
550	Development of starch based intelligent films by incorporating anthocyanins of butterfly pea flower and TiO ₂ and their applicability as freshness sensors for prawns during storage.. <i>RSC Advances</i> , 2020 , 10, 39822-39830	3.7	14
549	Influence of reduced graphene oxide on flow behaviour, glass transition temperature and secondary crystallinity of plasticized poly(vinyl chloride).. <i>RSC Advances</i> , 2020 , 10, 29247-29256	3.7	5
548	Synergistic effect of MWCNTs and MA-g-PP on the thermal and viscoelastic properties of immiscible PTT/PP blends. <i>New Journal of Chemistry</i> , 2020 , 44, 16557-16568	3.6	0
547	Structure and Elastic Properties of an Unsymmetrical Bi-Heterocyclic Azo Compound in the Langmuir Monolayer and Langmuir-Blodgett Film. <i>ACS Omega</i> , 2020 , 5, 21538-21549	3.9	1
546	Gold nanoparticles against respiratory diseases: oncogenic and viral pathogens review. <i>Therapeutic Delivery</i> , 2020 , 11, 521-534	3.8	18
545	Defects characterisation and studies of structural properties of sol-gel synthesised MgFe ₂ O ₄ nanocrystals through positron annihilation and supportive spectroscopic methods. <i>Philosophical Magazine</i> , 2020 , 100, 32-61	1.6	5
544	Viscoelastic and thermal properties of natural rubber low-density polyethylene composites with boric acid and borax. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 49372	2.9	4
543	Effect of blend ratio and compatibilisation on the electrical and dielectric properties of nylon copolymer (6, 66)/EPDM rubber blends. <i>Polymer Engineering and Science</i> , 2019 , 59, 2195-2201	2.3	2
542	In Situ Decoration of Gold Nanoparticles on Graphene Oxide via Nanosecond Laser Ablation for Remarkable Chemical Sensing and Catalysis. <i>Nanomaterials</i> , 2019 , 9,	5.4	20
541	Structure and dynamics of gold nanoparticles decorated with chitosan-gentamicin conjugates: ReaxFF molecular dynamics simulations to disclose drug delivery. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 13099-13108	3.6	22

540	Yttrium oxide nanoparticle loaded scaffolds with enhanced cell adhesion and vascularization for tissue engineering applications. <i>Materials Science and Engineering C</i> , 2019 , 103, 109801	8.3	43
539	Titanium Nanorods Loaded PCL Meshes with Enhanced Blood Vessel Formation and Cell Migration for Wound Dressing Applications. <i>Macromolecular Bioscience</i> , 2019 , 19, e1900058	5.5	23
538	Tuning of nonlinear absorption in highly luminescent CdSe based quantum dots with core-shell and core/multi-shell architectures. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 11424-11434	3.6	9
537	Epoxy/methyl methacrylate acrylonitrile butadiene styrene (MABS) copolymer blends: reaction-induced viscoelastic phase separation, morphology development and mechanical properties. <i>New Journal of Chemistry</i> , 2019 , 43, 9216-9225	3.6	14
536	Isolation and characterization of stable nanofiber from turmeric spent using chemical treatment by acid hydrolysis and its potential as antimicrobial and antioxidant activities. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2019 , 56, 327-340	2.2	15
535	Magnetic performance and defect characterization studies of core-shell architected MgFeO@BaTiO multiferroic nanostructures. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 8709-8720	3.6	16
534	Recent advances in electrospun polycaprolactone based scaffolds for wound healing and skin bioengineering applications. <i>Materials Today Communications</i> , 2019 , 19, 319-335	2.5	69
533	Biosynthesis and properties of P(3HB-co-3HV-co-3H4MV) produced by using the wild-type strain <i>Cupriavidus eutrophus</i> B-10646. <i>Journal of Chemical Technology and Biotechnology</i> , 2019 , 94, 195-203	3.5	2
532	Development of titanium dioxide nanowire incorporated poly(vinylidene fluoride-trifluoroethylene) scaffolds for bone tissue engineering applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2019 , 30, 96	4.5	19
531	New-fangled sources of cellulose extraction: comparative study of the effectiveness of <i>Cissua latifolia</i> and <i>Ficus benghalensis</i> cellulose as a filler. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 2025-2031	7.8	2
530	Functionalized theranostic nanocarriers with bio-inspired polydopamine for tumor imaging and chemo-photothermal therapy. <i>Journal of Controlled Release</i> , 2019 , 309, 203-219	11.7	63
529	Morphologically correlated surface characteristics of poly (trimethylene terephthalate)/multiwalled carbon nanotube nanocomposites. <i>Functional Composites and Structures</i> , 2019 , 1, 045002	3.5	6
528	Recent Advances in Cross-linked Polyethylene-based Nanocomposites for High Voltage Engineering Applications: A Critical Review. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 20863-20879	3.9	26
527	Flexible and self-standing nickel ferrite-PVDF-TrFE cast films: promising candidates for high-end magnetoelectric applications. <i>Dalton Transactions</i> , 2019 , 48, 16961-16973	4.3	26
526	High-performance electromagnetic interference shielding material based on an effective mixing protocol. <i>Polymer International</i> , 2019 , 68, 637-647	3.3	12
525	Physicochemical, mechanical, barrier and antibacterial properties of starch nanocomposites crosslinked with pre-oxidised sucrose. <i>Industrial Crops and Products</i> , 2019 , 130, 398-408	5.9	22
524	Electrospinning tissue engineering and wound dressing scaffolds from polymer-titanium dioxide nanocomposites. <i>Chemical Engineering Journal</i> , 2019 , 358, 1262-1278	14.7	121
523	Carbon nanotube reinforced poly(trimethylene terephthalate) nanocomposites: Viscoelastic properties and chain confinement. <i>Polymer Engineering and Science</i> , 2019 , 59, E435-E445	2.3	6

522	Toughness augmentation by fibrillation and yielding in nanostructured blends with recycled polyurethane as a modifier. <i>Applied Surface Science</i> , 2018 , 442, 403-411	6.7	19
521	Excellent Electromagnetic Interference Shielding and High Electrical Conductivity of Compatibilized Polycarbonate/Polypropylene Carbon Nanotube Blend Nanocomposites. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 4287-4297	3.9	69
520	Static and Dynamic Mechanical Characteristics of Ionic Liquid Modified MWCNT-SBR Composites: Theoretical Perspectives for the Nanoscale Reinforcement Mechanism. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 1525-1536	3.4	38
519	Dopamine functionalization of BaTiO: an effective strategy for the enhancement of electrical, magnetoelectric and thermal properties of BaTiO-PVDF-TrFE nanocomposites. <i>Dalton Transactions</i> , 2018 , 47, 2039-2051	4.3	41
518	Tunable physicochemical properties of PVA nanocomposite membranes for enhanced pervaporation performance. <i>Polymer Engineering and Science</i> , 2018 , 58, 849-858	2.3	7
517	UV resistant transparent bionanocomposite films based on potato starch/cellulose for sustainable packaging. <i>Starch/Staerke</i> , 2018 , 70, 1700139	2.3	60
516	Evaluation of mechanical, thermal, electrical, and transport properties of MWCNT-filled NR/NBR blend composites. <i>Polymer Engineering and Science</i> , 2018 , 58, 961-972	2.3	14
515	Room temperature magnetoelectric coupling effect in CuFe ₂ O ₄ -BaTiO ₃ core-shell and nanocomposites. <i>Journal of Alloys and Compounds</i> , 2018 , 731, 288-296	5.7	33
514	Nitrogen doped graphene Silver nanowire hybrids: An excellent anode material for lithium ion batteries. <i>Applied Surface Science</i> , 2018 , 428, 1119-1129	6.7	20
513	Plasticized PVC graphene nanocomposites: Morphology, mechanical, and dynamic mechanical properties. <i>Polymer Engineering and Science</i> , 2018 , 58, E104-E113	2.3	21
512	Cellulose nanofibrils-reduced graphene oxide xerogels and cryogels for dielectric and electrochemical storage applications. <i>Polymer</i> , 2018 , 147, 260-270	3.9	34
511	Highly lithium ion conductive, Al ₂ O ₃ decorated electrospun P(VDF-TrFE) membranes for lithium ion battery separators. <i>New Journal of Chemistry</i> , 2018 , 42, 19505-19520	3.6	41
510	Electrospun polyvinyl alcohol membranes incorporated with green synthesized silver nanoparticles for wound dressing applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2018 , 29, 163	4.5	46
509	Nanoceria Can Act as the Cues for Angiogenesis in Tissue-Engineering Scaffolds: Toward Next-Generation in Situ Tissue Engineering. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 4338-4353	5.5	31
508	Cellulose Nanofiber-Based Polyaniline Flexible Papers as Sustainable Microwave Absorbers in the X-Band. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 20032-20043	9.5	149
507	The role of clay modifier on cure characteristics and properties of epoxy/clay/carboxyl-terminated poly(butadiene-co-acrylonitrile) (CTBN) hybrid. <i>Materials Technology</i> , 2017 , 32, 171-177	2.1	11
506	Structural and Surface Compatibility Study of Modified Electrospun Poly(ε-caprolactone) (PCL) Composites for Skin Tissue Engineering. <i>AAPS PharmSciTech</i> , 2017 , 18, 72-81	3.9	105
505	Effects of surface grafting of copper nanoparticles on the tensile and bonding properties of flax fibers. <i>Science and Engineering of Composite Materials</i> , 2017 , 24, 651-660	1.5	4

504	Meldrum Acid Modified Cellulose Nanofiber-Based Polyvinylidene Fluoride Microfiltration Membrane for Dye Water Treatment and Nanoparticle Removal. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 2026-2033	8.3	139
503	Realization of Enhanced Magnetolectric Coupling and Raman Spectroscopic Signatures in 00 Type Hybrid Multiferroic CoreShell Geometric Nanostructures. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 4352-4362	3.8	22
502	Investigation into dielectric behaviour and electromagnetic interference shielding effectiveness of conducting styrene butadiene rubber composites containing ionic liquid modified MWCNT. <i>Polymer</i> , 2017 , 112, 102-115	3.9	84
501	Curing enhancement and network effects in multi-walled carbon nanotube-filled vulcanized natural rubber: evidence for solvent sensing. <i>Polymer International</i> , 2017 , 66, 931-938	3.3	10
500	UV protective poly(lactic acid)/rosin films for sustainable packaging. <i>International Journal of Biological Macromolecules</i> , 2017 , 99, 37-45	7.9	73
499	Chitin nanowhisiker (ChNW)-functionalized electrospun PVDF membrane for enhanced removal of Indigo carmine. <i>Carbohydrate Polymers</i> , 2017 , 165, 115-122	10.3	56
498	Rapid methylene blue adsorption using modified lignocellulosic materials. <i>Chemical Engineering Research and Design</i> , 2017 , 107, 346-356	5.5	76
497	Evaluation of Versatile CdS Nanomaterials Based Liquid Crystals Switchable Device. <i>Journal of Nanoscience and Nanotechnology</i> , 2017 , 17, 2401-412	1.3	14
496	Preparation of a novel bioavailable curcuminoid formulation (Cureit) using Polar-Nonpolar-Sandwich (PNS) technology and its characterization and applications. <i>Materials Science and Engineering C</i> , 2017 , 75, 359-367	8.3	23
495	Development of nanoscale morphology and role of viscoelastic phase separation on the properties of epoxy/recycled polyurethane blends. <i>Polymer</i> , 2017 , 117, 96-106	3.9	27
494	To What Extent Can Hyperelastic Models Make Sense the Effect of Clay Surface Treatment on the Mechanical Properties of Elastomeric Nanocomposites?. <i>Macromolecular Materials and Engineering</i> , 2017 , 302, 1700036	3.9	12
493	Morphology, transport characteristics and viscoelastic polymer chain confinement in nanocomposites based on thermoplastic potato starch and cellulose nanofibers from pineapple leaf. <i>Carbohydrate Polymers</i> , 2017 , 169, 176-188	10.3	89
492	Tunable morphology and hydrophilicity to epoxy resin from copper oxide nanoparticles. <i>Composites Science and Technology</i> , 2017 , 146, 34-41	8.6	8
491	Electrospun poly(vinylidene fluoride-trifluoroethylene)/zinc oxide nanocomposite tissue engineering scaffolds with enhanced cell adhesion and blood vessel formation. <i>Nano Research</i> , 2017 , 10, 3358-3376	10	107
490	Electrospun polycaprolactone (PCL) scaffolds embedded with europium hydroxide nanorods (EHNS) with enhanced vascularization and cell proliferation for tissue engineering applications. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 4660-4672	7.3	79
489	Influence of perfluorocarbons on Carbamazepine and Benzodiazepine for a neuro-lung protective strategy. <i>Journal of Clinical Neuroscience</i> , 2017 , 43, 82-88	2.2	1
488	Novel dendritic structure of alginate hybrid nanoparticles for effective anti-viral drug delivery. <i>International Journal of Biological Macromolecules</i> , 2017 , 103, 1265-1275	7.9	29
487	Polymer sutures for simultaneous wound healing and drug delivery - A review. <i>International Journal of Pharmaceutics</i> , 2017 , 524, 454-466	6.5	64

486	Transport behaviour of aromatic solvents through styrene butadiene rubber/poly [methyl methacrylate] (SBR/PMMMA) interpenetrating polymer network (IPN) membranes. <i>Polymer</i> , 2017 , 116, 76-88	3.9	26
485	Elastomer/thermoplastic modified epoxy nanocomposites: The hybrid effect of micro and nano scale. <i>Materials Science and Engineering Reports</i> , 2017 , 116, 1-29	30.9	68
484	Mechanism of phase separation in a weakly interacting system with strong dynamic asymmetry. <i>Journal of Applied Polymer Science</i> , 2017 , 134, 45059	2.9	1
483	Multiwalled carbon nanotube promotes crystallisation while preserving co-continuous phase morphology of polycarbonate/polypropylene blend. <i>Polymer Testing</i> , 2017 , 64, 1-11	4.5	15
482	Investigating solvent effects on aggregation behaviour, linear and nonlinear optical properties of silver nanoclusters. <i>Optical Materials</i> , 2017 , 73, 695-705	3.3	15
481	Nanomaterials from Natural Products for Industrial Applications. <i>Journal of Nanomaterials</i> , 2017 , 2017, 1-2	3.2	1
480	Core-shell nanoparticles of carboxy methyl cellulose and Compritol-PEG for antiretroviral drug delivery. <i>Cellulose</i> , 2017 , 24, 4759-4771	5.5	13
479	Facile synthesis of chitin nanocrystals decorated on 3D cellulose aerogels as a new multi-functional material for waste water treatment with enhanced anti-bacterial and anti-oxidant properties. <i>New Journal of Chemistry</i> , 2017 , 41, 12746-12755	3.6	42
478	The influence of nanocellulosic fiber, extracted from <i>Helicteres isora</i> , on thermal, wetting and viscoelastic properties of poly(butylene succinate) composites. <i>Cellulose</i> , 2017 , 24, 4313-4323	5.5	25
477	Effect of nanostructured polyhedral oligomeric silsesquioxane on the physical properties of poly(vinyl alcohol). <i>Journal of Applied Polymer Science</i> , 2017 , 134, 45447	2.9	10
476	Preparation, characterization and anti-colitis activity of curcumin-asafetida complex encapsulated in turmeric nanofiber. <i>Materials Science and Engineering C</i> , 2017 , 81, 20-31	8.3	30
475	Dynamic light scattering study of the ultrasonication of P(VDF-TrFE): A new model. <i>International Journal of Polymer Analysis and Characterization</i> , 2017 , 22, 649-658	1.7	
474	Biodegradable starch/PVOH/laponite RD-based bionanocomposite films coated with graphene oxide: Preparation and performance characterization for food packaging applications. <i>Colloid and Polymer Science</i> , 2017 , 295, 1695-1708	2.4	17
473	Gelatin modified lipid nanoparticles for anti-viral drug delivery. <i>Chemistry and Physics of Lipids</i> , 2017 , 207, 24-37	3.7	17
472	Electrochemical studies on composite gel polymer electrolytes for lithium sulfur-batteries. <i>Journal of Applied Polymer Science</i> , 2017 , 134,	2.9	34
471	A high-performance BaTiO ₃ -grafted-GO-laden poly(ethylene oxide)-based membrane as an electrolyte for all-solid lithium-batteries. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 269-277	7.8	19
470	Solvent Transport Characteristics of Thermoplastic Elastomer Blends Based on Nylon and NBR. <i>Polymer Engineering and Science</i> , 2017 , 57, 231-236	2.3	7
469	Dynamic energy transfer in non-covalently functionalized reduced graphene oxide/silver nanoparticle hybrid (NF-RGO/Ag) with NF-RGO as the donor material. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 2651-2659	2.1	4

468	Enhanced photocatalytic performance of ZnO nanostructures produced via a quick microwave assisted route for the degradation of rhodamine in aqueous solution. <i>Materials Research Bulletin</i> , 2017 , 85, 131-139	5.1	25
467	Mechanisms of hydrophobization of polymeric composites etched in CF ₄ plasma. <i>Surface and Interface Analysis</i> , 2017 , 49, 334-339	1.5	4
466	Microbial Barrier Property and Blood Compatibility Studies of Electrospun Poly-ε-Caprolactone/ Zinc Oxide Nanocomposite Scaffolds. <i>Journal of Siberian Federal University - Biology</i> , 2017 , 10, 226-236	0.3	4
465	A Flexible, Disposable Hydrogen Peroxide Sensor on Graphene Nanoplatelet-Coated Cellulose. <i>Current Analytical Chemistry</i> , 2017 , 13,	1.7	21
464	Effect of zinc oxide nanoparticles on the in vitro degradation of electrospun polycaprolactone membranes in simulated body fluid. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2016 , 65, 28-37	3	49
463	A brief review on the chemical modifications of lignocellulosic fibers for durable engineering composites. <i>Polymer Bulletin</i> , 2016 , 73, 587-620	2.4	50
462	Clogging-Free Electrospinning of Polycaprolactone Using Acetic Acid/Acetone Mixture. <i>Polymer-Plastics Technology and Engineering</i> , 2016 , 55, 518-529		36
461	Surface grafting of flax fibres with hydrous zirconia nanoparticles and the effects on the tensile and bonding properties. <i>Journal of Composite Materials</i> , 2016 , 50, 627-635	2.7	14
460	Electrospun PCL membranes incorporated with biosynthesized silver nanoparticles as antibacterial wound dressings. <i>Applied Nanoscience (Switzerland)</i> , 2016 , 6, 337-344	3.3	96
459	Percolated network formation in biocidal 3D porous PCL/clay nanocomposite scaffolds: effect of organic modifier on interfacial and water sorption properties. <i>RSC Advances</i> , 2016 , 6, 85107-85116	3.7	15
458	Interfacial interactions of thermally reduced graphene in poly(trimethylene terephthalate)-epoxy resin based composites. <i>Polymer</i> , 2016 , 106, 140-151	3.9	7
457	Multiwalled carbon nanotubes@octavinyl polyhedral oligomeric silsesquioxanes nanocomposite preparation via cross-linking reaction in acidic media. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	3
456	Influence of temperature on the confinement effects of micro and nano level graphite filled poly(isoprene-co-isobutylene) composites. <i>Journal of Polymer Research</i> , 2016 , 23, 1	2.7	4
455	Rapid and facile synthesis of graphene oxide quantum dots with good linear and nonlinear optical properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 10926-10933	2.1	10
454	Copper oxide nanoparticles in an epoxy network: microstructure, chain confinement and mechanical behaviour. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 19655-67	3.6	35
453	Gentamicin Loaded Electrospun Poly(ε-Caprolactone)/TiO ₂ Nanocomposite Membranes with Antibacterial Property against Methicillin Resistant Staphylococcus aureus. <i>Polymer-Plastics Technology and Engineering</i> , 2016 , 55, 1785-1796		24
452	Morphology and hydroscopic properties of acrylic/thermoplastic polyurethane core-shell electrospun micro/nano fibrous mats with tunable porosity. <i>RSC Advances</i> , 2016 , 6, 54286-54292	3.7	9
451	Investigations of plasma induced effects on the surface properties of lignocellulosic natural coir fibres. <i>Applied Surface Science</i> , 2016 , 368, 146-156	6.7	45

450	Experiments and modeling of non-linear viscoelastic responses in natural rubber and chlorobutyl rubber nanocomposites. <i>Applied Clay Science</i> , 2016 , 123, 1-10	5.2	13
449	FLEXIBLE OIL SENSORS BASED ON MULTIWALLED CARBON NANOTUBE FILLED ISOPRENE ELASTOMER COMPOSITES. <i>Rubber Chemistry and Technology</i> , 2016 , 89, 306-315	1.7	9
448	Synthesis, antibacterial, cytotoxicity and sensing properties of starch-capped silver nanoparticles. <i>Journal of Molecular Liquids</i> , 2016 , 213, 75-81	6	47
447	Electric, magnetic, piezoelectric and magnetoelectric studies of phase pure (BiFeO ₃ /LaNbO ₃) _x (P(VDF-TrFE)) nanocomposite films prepared by spin coating. <i>RSC Advances</i> , 2016 , 6, 28069-28080	3.7	40
446	Surface Acoustic Wave Device with Reduced Insertion Loss by Electrospinning P(VDF-TrFE)/ZnO Nanocomposites. <i>Nano-Micro Letters</i> , 2016 , 8, 282-290	19.5	32
445	Effect of blend ratio on the dynamic mechanical and thermal degradation behavior of polymer/polymer composites from low density polyethylene and polyethylene terephthalate. <i>Iranian Polymer Journal (English Edition)</i> , 2016 , 25, 373-384	2.3	26
444	Evaluation of in-vitro cytotoxicity and cellular uptake efficiency of zidovudine-loaded solid lipid nanoparticles modified with Aloe Vera in glioma cells. <i>Materials Science and Engineering C</i> , 2016 , 66, 40-50	8.3	36
443	Ultrasensitive detection of a 1-pyrenecarboxylic acid by surface enhanced Raman scattering hot spot with reduced graphene oxide/silver nanoparticles composites. <i>Materials Letters</i> , 2016 , 171, 137-141	3.3	13
442	Segmental dynamics, morphology and thermomechanical properties of electrospun poly(ϵ -caprolactone) nanofibers in the presence of an interacting filler. <i>RSC Advances</i> , 2016 , 6, 21376-21386	3.7	16
441	Completely green synthesis of silver nanoparticle decorated MWCNT and its antibacterial and catalytic properties. <i>Pure and Applied Chemistry</i> , 2016 , 88, 71-81	2.1	14
440	Clay/Polyaniline Hybrid through Diazonium Chemistry: Conductive Nanofiller with Unusual Effects on Interfacial Properties of Epoxy Nanocomposites. <i>Langmuir</i> , 2016 , 32, 3514-24	4	47
439	New Biobased Surface Treatment to Improve Strength and Durability of Bombax ceiba. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 76-84	8.3	9
438	Structural and optical properties of functionalized multi-walled carbon nanotubes. <i>Materials Science in Semiconductor Processing</i> , 2016 , 41, 491-496	4.3	18
437	Nylon 6, 12/Cloisite 30B Electrospun Nanocomposites for Dental Applications. <i>Journal of Siberian Federal University - Biology</i> , 2016 , 9, 198-211	0.3	9
436	Formulation Development, Physicochemical Characterization and In Vitro-In Vivo Drug Release of Vaginal Films. <i>Current HIV Research</i> , 2016 , 14, 295-306	1.3	11
435	Thermal degradation and crystallization characteristics of multiphase polymer systems with and without compatibilizer. <i>AIMS Materials Science</i> , 2016 , 3, 1177-1198	1.9	5
434	Preparation and Characterization of Poly(butylene succinate) Bionanocomposites Reinforced with Cellulose Nanofiber Extracted from Helicteres isora Plant. <i>Journal of Renewable Materials</i> , 2016 , 4, 351-364	2.4	24
433	Cell Adhesion on Polycaprolactone Modified by Plasma Treatment. <i>International Journal of Polymer Science</i> , 2016 , 2016, 1-9	2.4	45

432	Biodegradable Nanocomposite Films Based on Sodium Alginate and Cellulose Nanofibrils. <i>Materials</i> , 2016 , 9,	3.5	90
431	Adsorption of enzymes to stimuli-responsive polymer brushes: Influence of brush conformation on adsorbed amount and biocatalytic activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 146, 737-45	6	27
430	Improved nonlinear optical and optical limiting properties in non-covalent functionalized reduced graphene oxide/silver nanoparticle (NF-RGO/Ag-NPs) hybrid. <i>Optical Materials</i> , 2016 , 58, 476-483	3.3	20
429	Antimicrobial, antibiofilm, and microbial barrier properties of poly (ϵ -caprolactone)/cloisite 30B thin films. <i>3 Biotech</i> , 2016 , 6, 249	2.8	19
428	Fabrication and characterization of biosilver nanoparticles loaded calcium pectinate nano-micro dual-porous antibacterial wound dressings. <i>Progress in Biomaterials</i> , 2016 , 5, 223-235	4.4	36
427	Boron doped graphene wrapped silver nanowires as an efficient electrocatalyst for molecular oxygen reduction. <i>Scientific Reports</i> , 2016 , 6, 37731	4.9	17
426	Investigations of intensity dependant nonlinear optical properties of betanin/ZnO composites embedded in PVA. <i>Optics and Laser Technology</i> , 2016 , 83, 28-34	4.2	4
425	The fabrication and properties of natural rubber-clay nanocomposites. <i>Polymer Testing</i> , 2016 , 51, 165-174	3.5	38
424	Developing highly conducting and mechanically durable styrene butadiene rubber composites with tailored microstructural properties by a green approach using ionic liquid modified MWCNTs. <i>RSC Advances</i> , 2016 , 6, 32493-32504	3.7	42
423	Tetragonal BaTiO ₃ nanoparticles: An efficient photocatalyst for the degradation of organic pollutants. <i>Materials Science in Semiconductor Processing</i> , 2016 , 51, 42-47	4.3	99
422	Preparation and characterization of green graphene using grape seed extract for bioapplications. <i>Materials Science and Engineering C</i> , 2016 , 65, 345-53	8.3	48
421	Mechanically strong, flexible and thermally stable graphene oxide/nanocellulosic films with enhanced dielectric properties. <i>RSC Advances</i> , 2016 , 6, 49138-49149	3.7	51
420	Microwave Absorption in MWNTs-Based Soft Composites Containing Nanocrystalline Particles as Magnetic Core and Intrinsically Conducting Polymer as a Conductive Layer. <i>ChemistrySelect</i> , 2016 , 1, 4747-4752	1.8	11
419	Dynamic application of novel electro-optic switchable device modulation by graphene oxide dispersed liquid crystal cell assembling CdS nanowires. <i>Organic Electronics</i> , 2016 , 39, 25-37	3.5	13
418	Green synthesis of yellow emitting PMMA/CdSe/ZnS quantum dots nanophosphors. <i>Materials Science in Semiconductor Processing</i> , 2015 , 39, 587-595	4.3	12
417	Electric, magnetic and optical limiting (short pulse and ultrafast) studies in phase pure (1-x)BiFeO ₃ -xNaNbO ₃ multiferroic nanocomposite synthesized by the pechini method. <i>RSC Advances</i> , 2015 , 5, 67157-67164	3.7	26
416	Free-volume correlation with mechanical and dielectric properties of natural rubber/multi walled carbon nanotubes composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015 , 77, 164-171	8.4	39
415	Fabrication of graphite-graphene-ionic liquid modified carbon nanotubes filled natural rubber thin films for microwave and energy storage applications. <i>Journal of Polymer Research</i> , 2015 , 22, 1	2.7	20

414	Transport characteristics of organic solvents through carbon nanotube filled styrene butadiene rubber nanocomposites: the influence of rubber-filler interaction, the degree of reinforcement and morphology. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 11217-28	3.6	62
413	Natural Polymer/Inorganic Material Based Hybrid Scaffolds for Skin Wound Healing. <i>Polymer Reviews</i> , 2015 , 55, 453-490	14	44
412	Enhanced morphology and mechanical characteristics of clay/styrene butadiene rubber nanocomposites. <i>Applied Clay Science</i> , 2015 , 114, 568-576	5.2	34
411	Chemistry associated with natural rubber/graphene nanocomposites and its effect on physical and structural properties. <i>Industrial Crops and Products</i> , 2015 , 74, 792-802	5.9	58
410	Volume Shrinkage and Cure Kinetics in Carboxyl-Terminated Poly(butadiene-co-acrylonitrile) (CTBN) Modified Epoxy/Clay Nanocomposites. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2015 , 52, 353-359	2.2	13
409	Volume shrinkage and rheological studies of epoxidised and unepoxidised poly(styrene-block-butadiene-block-styrene) triblock copolymer modified epoxy resin-diamino diphenyl methane nanostructured blend systems. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 12760-70	3.6	26
408	Dynamic mechanical properties of immiscible polymer systems with and without compatibilizer. <i>Polymer Testing</i> , 2015 , 44, 168-176	4.5	21
407	Environment friendly green composites based on soy protein isolate [A review]. <i>Food Hydrocolloids</i> , 2015 , 50, 174-192	10.6	135
406	Liquid-rubber-modified epoxy/clay nanocomposites: effect of dispersion methods on morphology and ultimate properties. <i>Polymer Bulletin</i> , 2015 , 72, 1703-1722	2.4	23
405	Graphene and graphitic derivative filled polymer composites as potential sensors. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 3954-81	3.6	88
404	Compatibilizing action and localization of clay in a polypropylene/natural rubber (PP/NR) blend. <i>RSC Advances</i> , 2015 , 5, 86265-86273	3.7	45
403	Nanocelluloses from jute fibers and their nanocomposites with natural rubber: Preparation and characterization. <i>International Journal of Biological Macromolecules</i> , 2015 , 81, 768-77	7.9	151
402	Poly(glycidyl methacrylate)-grafted clay nanofiller for highly transparent and mechanically robust epoxy composites. <i>European Polymer Journal</i> , 2015 , 72, 89-101	5.2	33
401	Electrospun poly(ϵ -caprolactone)-based skin substitutes: In vivo evaluation of wound healing and the mechanism of cell proliferation. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2015 , 103, 1445-54	3.5	63
400	Wound healing in urology. <i>Advanced Drug Delivery Reviews</i> , 2015 , 82-83, 93-105	18.5	21
399	An in vitro method for the determination of microbial barrier property (MBP) of porous polymeric membranes for skin substitute and wound dressing applications. <i>Tissue Engineering and Regenerative Medicine</i> , 2015 , 12, 12-19	4.5	39
398	Mechanical and thermal properties of epoxy/silicon carbide nanofiber composites. <i>Polymers for Advanced Technologies</i> , 2015 , 26, 142-146	3.2	19
397	Investigation on the thermal and crystallization behavior of high density polyethylene/acrylonitrile butadiene rubber blends and their composites. <i>Polymer Engineering and Science</i> , 2015 , 55, 1203-1210	2.3	12

396	Functionalized liquid natural rubber and liquid epoxidized natural rubber: A promising green toughening agent for polyester. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	28
395	In Vitro and In Vivo Evaluation of Pectin/Copper Exchanged Faujasite Composite Membranes. <i>Journal of Biomedical Nanotechnology</i> , 2015 , 11, 1550-67	4	9
394	Cuprous oxide nanoparticles in epoxy network: Cure reaction, morphology, and thermal stability. <i>Polymer Engineering and Science</i> , 2015 , 55, 2293-2306	2.3	4
393	Effect of reinforcement on the barrier and dielectric properties of epoxidized natural rubber/graphene nanocomposites. <i>Polymer Engineering and Science</i> , 2015 , 55, 2439-2447	2.3	38
392	Selective localisation of multi walled carbon nanotubes in polypropylene/natural rubber blends to reduce the percolation threshold. <i>Composites Science and Technology</i> , 2015 , 116, 9-17	8.6	68
391	New type of thermoplastic bio composite: nature of the interface on the ultimate properties and water absorption. <i>RSC Advances</i> , 2015 , 5, 97536-97546	3.7	20
390	Enhanced lithium storage in ZnFe ₂ O ₄ /C nanocomposite produced by a low-energy ball milling. <i>Journal of Power Sources</i> , 2015 , 282, 462-470	8.9	58
389	Dose-Dependent Effects of Gamma Irradiation on the Materials Properties and Cell Proliferation of Electrospun Polycaprolactone Tissue Engineering Scaffolds. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2015 , 64, 526-533	3	44
388	Oil-spill cleanup: The influence of acetylated curaua fibers on the oil-removal capability of magnetic composites. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	31
387	Influence of non-covalent functionalization of carbon nanotubes on the rheological behavior of natural rubber latex nanocomposites. <i>European Polymer Journal</i> , 2014 , 53, 147-159	5.2	58
386	Electrospun polycaprolactone/ZnO nanocomposite membranes as biomaterials with antibacterial and cell adhesion properties. <i>Journal of Polymer Research</i> , 2014 , 21, 1	2.7	182
385	Viscoelastic behaviour of untreated and chemically treated banana Fiber/PF composites. <i>Fibers and Polymers</i> , 2014 , 15, 91-100	2	22
384	Zeolites incorporated polymeric gel beads: Promising drug carriers. <i>Materials Letters</i> , 2014 , 118, 12-16	3.3	11
383	Nanofibril reinforced unsaturated polyester nanocomposites: Morphology, mechanical and barrier properties, viscoelastic behavior and polymer chain confinement. <i>Industrial Crops and Products</i> , 2014 , 56, 246-254	5.9	65
382	Epoxidized natural rubber/epoxy blends: Phase morphology and thermomechanical properties. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	50
381	Luminescence and magnetic behaviour of almond like (Na _{0.5} La _{0.5})MoO ₄ :RE ³⁺ (RE=Eu, Tb, Dy) nanostructures. <i>Journal of Alloys and Compounds</i> , 2014 , 604, 20-30	5.7	43
380	A facile and rapid method for the black pepper leaf mediated green synthesis of silver nanoparticles and the antimicrobial study. <i>Applied Nanoscience (Switzerland)</i> , 2014 , 4, 809-818	3.3	59
379	Effect of Bentonite Clay on the Mechanical, Thermal, and Pervaporation Performance of the Poly(vinyl alcohol) Nanocomposite Membranes. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 16820-16831	3.9	68

378	Flexible EMI shielding materials derived by melt blending PVDF and ionic liquid modified MWNTs. <i>Materials Research Express</i> , 2014 , 1, 035003	1.7	61
377	Rheological behaviour of clay incorporated natural rubber and chlorobutyl rubber nanocomposites. <i>RSC Advances</i> , 2014 , 4, 58047-58058	3.7	28
376	Effect of ultrasonication and other processing conditions on the morphology, thermomechanical, and piezoelectric properties of poly(vinylidene difluoride-trifluoroethylene) copolymer films. <i>Polymer Engineering and Science</i> , 2014 , 54, 1280-1288	2.3	13
375	Investigation of angiogenesis and its mechanism using zinc oxide nanoparticle-loaded electrospun tissue engineering scaffolds. <i>RSC Advances</i> , 2014 , 4, 51528-51536	3.7	127
374	Facile synthesis of transparent and fluorescent epoxy/CdSe/CdS/ZnS core-multi shell polymer nanocomposites. <i>New Journal of Chemistry</i> , 2014 , 38, 155-162	3.6	27
373	XLPE based Al ₂ O ₃ -clay binary and ternary hybrid nanocomposites: self-assembly of nanoscale hybrid fillers, polymer chain confinement and transport characteristics. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 20190-201	3.6	34
372	Dynamic mechanical and rheological properties of nitrile rubber nanocomposites based on TiO ₂ , Ca ₃ (PO ₄) ₂ and layered silicate. <i>Journal of Composite Materials</i> , 2014 , 48, 2325-2339	2.7	6
371	Dielectric properties of modified graphene oxide filled polyurethane nanocomposites and its correlation with rheology. <i>Composites Science and Technology</i> , 2014 , 104, 18-25	8.6	122
370	Studies on electrical properties of nanoclay filled thermoplastic polyurethane/polypropylene blends. <i>Polymer Composites</i> , 2014 , 35, 1671-1682	3	9
369	Poly(ester amides) (PEAs) scaffold for tissue engineering applications. <i>European Polymer Journal</i> , 2014 , 60, 58-68	5.2	49
368	Carbon nanotube based elastomer composites: an approach towards multifunctional materials. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 8446-8485	7.1	139
367	Liquid rubber and silicon carbide nanofiber modified epoxy nanocomposites: Volume shrinkage, cure kinetics and properties. <i>Composites Science and Technology</i> , 2014 , 102, 65-73	8.6	30
366	Electrospun polycaprolactone membranes incorporated with ZnO nanoparticles as skin substitutes with enhanced fibroblast proliferation and wound healing. <i>RSC Advances</i> , 2014 , 4, 24777	3.7	140
365	Collagen coated electrospun polycaprolactone (PCL) with titanium dioxide (TiO ₂) from an environmentally benign solvent: preliminary physico-chemical studies for skin substitute. <i>Journal of Polymer Research</i> , 2014 , 21, 1	2.7	72
364	Alumina-clay nanoscale hybrid filler assembling in cross-linked polyethylene based nanocomposites: mechanics and thermal properties. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 14730-40	3.6	43
363	Nucleation and nonisothermal crystallization kinetics in cross-linked polyethylene/zinc oxide nanocomposites. <i>RSC Advances</i> , 2014 , 4, 31643-31651	3.7	26
362	Stress relaxation behavior of organically modified montmorillonite filled natural rubber/nitrile rubber nanocomposites. <i>Applied Clay Science</i> , 2014 , 87, 120-128	5.2	86
361	Wound healing analysis of pectin/carboxymethyl cellulose/microfibrillated cellulose based composite scaffolds. <i>Materials Letters</i> , 2014 , 132, 34-37	3.3	32

360	Rheological behaviour of nanocellulose reinforced unsaturated polyester nanocomposites. <i>International Journal of Biological Macromolecules</i> , 2014 , 69, 274-81	7.9	64
359	Isolation and characterization of cellulose nanofibrils from <i>Helicteres isora</i> plant. <i>Industrial Crops and Products</i> , 2014 , 59, 27-34	5.9	214
358	Reaction-Induced Phase Separation and Thermomechanical Properties in Epoxidized Styrene-block-butadiene-block-styrene Triblock Copolymer Modified Epoxy/DDM System. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 6941-6950	3.9	46
357	Origin of Nonlinear Viscoelasticity in Filled Rubbers: Theory and Practice. <i>Advances in Polymer Science</i> , 2014 , 1-13	1.3	4
356	Relaxations and chain dynamics of sequential full interpenetrating polymer networks based on natural rubber and poly(methyl methacrylate). <i>Polymer International</i> , 2014 , 63, 1427-1438	3.3	12
355	Antibacterial and wound healing analysis of gelatin/zeolite scaffolds. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 115, 244-52	6	54
354	Evolution from graphite to graphene elastomer composites. <i>Progress in Polymer Science</i> , 2014 , 39, 749-786	20.6	272
353	Completely green synthesis of dextrose reduced silver nanoparticles, its antimicrobial and sensing properties. <i>Carbohydrate Polymers</i> , 2014 , 106, 469-74	10.3	85
352	Preparation and properties of multiwalled carbon nanotube/epoxy-amine composites. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 3063-3073	2.9	26
351	Preparation and properties of MWCNTs/poly(acrylonitrile- styrene-butadiene)/epoxy hybrid composites. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 3093-3103	2.9	33
350	Preparation and properties of TiO ₂ -filled poly(acrylonitrile-butadiene-styrene)/epoxy hybrid composites. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 3159-3168	2.9	15
349	Synthesis and characterisation of gelatin/zeolite porous scaffold. <i>European Polymer Journal</i> , 2013 , 49, 2433-2445	5.2	40
348	Nanoclay effect on transport properties of thermoplastic polyurethane/polypropylene (TPU/PP) blends. <i>Journal of Polymer Research</i> , 2013 , 20, 1	2.7	13
347	Characteristics of banana fibers and banana fiber reinforced phenol formaldehyde composites-macroscale to nanoscale. <i>Journal of Applied Polymer Science</i> , 2013 , 130, 1239-1246	2.9	23
346	Interrelated shape memory and Payne effect in polyurethane/graphene oxide nanocomposites. <i>RSC Advances</i> , 2013 , 3, 16068	3.7	79
345	Effect of organically modified nanoclay on the miscibility, rheology, morphology and properties of epoxy/carboxyl-terminated (butadiene-co-acrylonitrile) blend. <i>Soft Matter</i> , 2013 , 9, 2899	3.6	87
344	Effect of molecular interactions on the performance of poly(isobutylene-co-isoprene)/graphene and clay nanocomposites. <i>Colloid and Polymer Science</i> , 2013 , 291, 1729-1740	2.4	63
343	Synergistic effect of multi walled carbon nanotubes and reduced graphene oxides in natural rubber for sensing application. <i>Soft Matter</i> , 2013 , 9, 10343	3.6	129

342	Pectin/carboxymethyl cellulose/microfibrillated cellulose composite scaffolds for tissue engineering. <i>Carbohydrate Polymers</i> , 2013 , 98, 877-85	10.3	167
341	Faujasites incorporated tissue engineering scaffolds for wound healing: in vitro and in vivo analysis. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 11194-206	9.5	58
340	Viscoelastic behavior and reinforcement mechanism in rubber nanocomposites in the vicinity of spherical nanoparticles. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 12632-48	3.4	122
339	Mechanical and dynamic mechanical properties of polyolefin blends: effect of blend ratio and copolymer monomer fraction on the compatibilisation efficiency of random copolymers. <i>Journal of Polymer Research</i> , 2013 , 20, 1	2.7	17
338	Permeation of Nitrogen and Oxygen Gases through Ethylene Propylene Diene Terpolymer and High Density Polyethylene/Ethylene Propylene Diene Terpolymer Blend Membranes. <i>Separation Science and Technology</i> , 2013 , 48, 455-465	2.5	3
337	Rheological study of the SAN modified epoxy/DDM system: relationship between viscosity and viscoelastic phase separation. <i>RSC Advances</i> , 2013 , 3, 23967	3.7	14
336	Development of poly(isobutylene-co-isoprene)/reduced graphene oxide nanocomposites for barrier, dielectric and sensing applications. <i>Materials Letters</i> , 2013 , 96, 109-112	3.3	95
335	Thermogravimetric analysis and differential scanning calorimetric studies on nanoclay-filled TPU/PP blends. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013 , 112, 1231-1244	4.1	22
334	Nano ZnO as cure activator and reinforcing filler in natural rubber. <i>Polymer Engineering and Science</i> , 2013 , 53, 1337-1346	2.3	51
333	Transport of organic solvents through natural rubber/nitrile rubber/organically modified montmorillonite nanocomposites. <i>Journal of Materials Science</i> , 2013 , 48, 5373-5386	4.3	32
332	Morphological and Mechanical Characterization of Nanostructured Thermosets from Epoxy and Styrene-block-Butadiene-block-Styrene Triblock Copolymer. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 9121-9129	3.9	46
331	Clay nanostructure and its localisation in an epoxy/liquid rubber blend. <i>RSC Advances</i> , 2013 , 3, 24634	3.7	30
330	Nanoscale ZnO as a Reinforcing Filler in Pre-vulcanized Natural Rubber Latex. <i>Science of Advanced Materials</i> , 2013 , 5, 116-126	2.3	6
329	Cross Linked Polyethylene/TiO ₂ Nanocomposites: Morphology, Polymer/Filler Interaction, Mechanics and Thermal Properties. <i>Science of Advanced Materials</i> , 2013 , 5, 385-397	2.3	14
328	Transreactions in poly trimethylene terephthalate/bisphenol-A polycarbonate (PC) blends analysed by pressure-volume-temperature measurements. <i>Polymer Testing</i> , 2012 , 31, 16-24	4.5	9
327	Separation of n-hexane/acetone mixtures by pervaporation using high density polyethylene/ethylene propylene diene terpolymer rubber blend membranes. <i>Journal of Hazardous Materials</i> , 2012 , 199-200, 336-42	12.8	11
326	Ca ₃ (PO ₄) ₂ -incorporated poly(ethylene oxide)-based nanocomposite electrolytes for lithium batteries. Part II. Interfacial properties investigated by XPS and a.c. impedance studies. <i>Journal of Applied Polymer Science</i> , 2012 , 124, 3255-3263	2.9	3
325	Preparation and characterization of EVA/clay Nanocomposites with improved barrier performance. <i>Journal of Applied Polymer Science</i> , 2012 , 123, 3806-3818	2.9	42

324	Cellulose nanofibres and cellulose nanowhiskers based natural rubber composites: Diffusion, sorption, and permeation of aromatic organic solvents. <i>Journal of Applied Polymer Science</i> , 2012 , 124, 1614-1623	2.9	39
323	Calcium phosphate incorporated poly(ethylene oxide)-based nanocomposite electrolytes for lithium batteries. I. Ionic conductivity and positron annihilation lifetime spectroscopy studies. <i>Journal of Applied Polymer Science</i> , 2012 , 124, 3245-3254	2.9	11
322	Transport properties of high-density polyethylene/ethylene propylene diene terpolymer blends. <i>Journal of Materials Science</i> , 2012 , 47, 3293-3304	4.3	5
321	Effect of filler geometry on the diffusion and transport behavior of aromatic solvents and commercial oil through nitrile rubber nanocomposites. <i>Polymer Composites</i> , 2012 , 33, 2236-2244	3	10
320	Comparison of Theory with Experimental Data for Nanoclay-Filled TPU/PP Blend. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 13379-13392	3.9	10
319	Viscoelastic effects in thermoplastic poly(styrene-acrylonitrile)-modified epoxy/DDM system during reaction induced phase separation. <i>Soft Matter</i> , 2012 , 8, 7452	3.6	32
318	Molecular Transport of Aromatic Solvents through Oil Palm Micro Fiber Filled Natural Rubber Composites: Role of Fiber Content and Interface Adhesion on Transport. <i>Journal of Adhesion Science and Technology</i> , 2012 , 26, 271-288	2	6
317	Permeation of Chlorinated Hydrocarbon Vapors through High Density Polyethylene/Ethylene Propylene Diene Terpolymer Rubber Blends. <i>Separation Science and Technology</i> , 2012 , 47, 811-818	2.5	5
316	Effect of Cure Conditions on the Generated Morphology and Viscoelastic Properties of a Poly(acrylonitrile-Butadiene-Styrene) Modified Epoxy/Amine System. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 2586-2595	3.9	34
315	Effect of blend ratio on the mechanical and sorption behaviour of polymer/polymer microfibrillar composites from low-density polyethylene and polyethylene terephthalate. <i>Journal of Reinforced Plastics and Composites</i> , 2012 , 31, 549-562	2.9	21
314	Electrical properties of short sisal fiber reinforced polyester composites fabricated by resin transfer molding. <i>Composites Part A: Applied Science and Manufacturing</i> , 2012 , 43, 507-511	8.4	58
313	Crosslinked natural rubber nanocomposites reinforced with cellulose whiskers isolated from bamboo waste: Processing and mechanical/thermal properties. <i>Composites Part A: Applied Science and Manufacturing</i> , 2012 , 43, 735-741	8.4	157
312	Chlorobutyl rubber nanocomposites as effective gas and VOC barrier materials. <i>Composites Part A: Applied Science and Manufacturing</i> , 2012 , 43, 864-870	8.4	24
311	Enhancement of thermal stability, strength and extensibility of lipid-based polyurethanes with cellulose-based nanofibers. <i>Polymer Degradation and Stability</i> , 2012 , 97, 1970-1978	4.7	57
310	Effect of Rubber/Filler Interaction on Transport of Aromatic Liquids through High Density Polyethylene/Ethylene Propylene Diene Terpolymer Rubber Blends. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 6697-6704	3.9	4
309	Clay Intercalation and its Influence on the Morphology and Transport Properties of EVA/Clay Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 20002-20014	3.8	38
308	Thermal stability and degradation of banana fibre/PF composites fabricated by RTM. <i>Fibers and Polymers</i> , 2012 , 13, 1319-1325	2	18
307	In-situ Cure and Cure Kinetic Analysis of a Liquid Rubber Modified Epoxy Resin. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 120913092228002	3.9	4

306	Cure kinetics and thermal stability of micro and nanostructured thermosetting blends of epoxy resin and epoxidized styrene-block-butadiene-block-styrene triblock copolymer systems. <i>Polymer Engineering and Science</i> , 2012 , 52, 2336-2347	2.3	35
305	Effect of organoclay on the gas barrier properties of natural rubber nanocomposites. <i>Polymer Composites</i> , 2012 , 33, 524-531	3	34
304	Polystyrene/calcium phosphate nanocomposites: Morphology, mechanical, and dielectric properties. <i>Polymer Engineering and Science</i> , 2012 , 52, 689-699	2.3	10
303	High performance HTLNR/epoxy blendPhase morphology and thermo-mechanical properties. <i>Journal of Applied Polymer Science</i> , 2012 , 125, 804-811	2.9	35
302	Effect of nanoclay and carboxyl-terminated (butadiene-co-acrylonitrile) (CTBN) rubber on the reaction induced phase separation and cure kinetics of an epoxy/cyclic anhydride system. <i>Journal of Materials Science</i> , 2012 , 47, 5241-5253	4.3	42
301	Transport behavior of aromatic hydrocarbons through high density polyethylene/ ethylene propylene diene terpolymer blends. <i>Journal of Polymer Research</i> , 2012 , 19, 1	2.7	6
300	Influence of Clay Content and Amount of Organic Modifiers on Morphology and Pervaporation Performance of EVA/Clay Nanocomposites. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 3986-3993	3.9	18
299	Rheology and pressure-volume-temperature behavior of the thermoplastic poly(acrylonitrile-butadiene-styrene)-modified epoxy-DDS system during reaction induced phase separation. <i>Soft Matter</i> , 2011 , 7, 7248	3.6	39
298	Studies on Stress Relaxation and Thermomechanical Properties of Poly(acrylonitrile-butadiene-styrene) Modified EpoxyAmine Systems. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 4432-4440	3.9	44
297	A Probe on the Failure Mechanism in Rubber-Modified Epoxy Blends: Morphological and Acoustic Emission Analysis. <i>Journal of Adhesion Science and Technology</i> , 2011 , 25, 1747-1765	2	11
296	Natural rubber latex/potato starch nanocrystal nanocomposites: Correlation morphology/electrical properties. <i>Materials Letters</i> , 2011 , 65, 3615-3617	3.3	27
295	Cellulose nanocomposites with nanofibres isolated from pineapple leaf fibers for medical applications. <i>Carbohydrate Polymers</i> , 2011 , 86, 1790-1798	10.3	247
294	The role of surfactant type and modifier concentration in tailoring the properties of chlorobutyl rubber/organo clay nanocomposites. <i>Journal of Applied Polymer Science</i> , 2011 , 124, n/a-n/a	2.9	2
293	In situ microfibrillar blends and composites of polypropylene and poly (ethylene terephthalate): Morphology and thermal properties. <i>Journal of Polymer Research</i> , 2011 , 18, 1-11	2.7	33
292	The effects of blend ratio, compatibilization and dynamic vulcanization on permeation of gases through HDPE/EVA blends. <i>Journal of Polymer Research</i> , 2011 , 18, 1101-1109	2.7	14
291	Poly(ethylene-co-vinyl acetate)/calcium phosphate nanocomposites: contact angle, diffusion and gas permeability studies. <i>Journal of Polymer Research</i> , 2011 , 18, 1277-1285	2.7	27
290	Impact of filler geometry and surface chemistry on the degree of reinforcement and thermal stability of nitrile rubber nanocomposites. <i>Journal of Polymer Research</i> , 2011 , 18, 2367-2378	2.7	21
289	Electrochemical and mechanical properties of nanochitin-incorporated PVDF-HFP-based polymer electrolytes for lithium batteries. <i>Ionics</i> , 2011 , 17, 407-414	2.7	58

288	Surface-modified sisal fiber-reinforced eco-friendly composites: Mechanical, thermal, and diffusion studies. <i>Polymer Composites</i> , 2011 , 32, 131-138	3	16
287	Morphology and properties of NR/EPDM rubber blends filled with small amounts of titania nanoparticles. <i>Polymer Composites</i> , 2011 , 32, 1289-1296	3	25
286	Poly(ethylene-co-vinyl acetate)/calcium phosphate nanocomposites: Mechanical, gas permeability, and molecular transport properties. <i>Journal of Applied Polymer Science</i> , 2011 , 120, 1974-1983	2.9	2
285	Yttrium barium copper oxide-filled polystyrene as a dielectric material. <i>Journal of Applied Polymer Science</i> , 2011 , 120, 2233-2241	2.9	4
284	Influence of calix[2]-p-benzo[4]pyrrole on the electrochemical properties of poly(ethylene oxide)-based electrolytes for lithium batteries. <i>Journal of Applied Polymer Science</i> , 2011 , 120, 2215-2221	2.9	17
283	Cure Kinetics of Poly(acrylonitrile-butadiene-styrene) Modified Epoxy/Amine System. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2011 , 48, 751-756	2.2	6
282	Viscoelastic and thermal properties of eco-friendly composites fabricated by resin transfer molding. <i>Journal of Reinforced Plastics and Composites</i> , 2011 , 30, 1509-1516	2.9	7
281	Dynamic Mechanical and Dielectric Behavior of Banana-Glass Hybrid Fiber Reinforced Polyester Composites. <i>Journal of Reinforced Plastics and Composites</i> , 2010 , 29, 1131-1145	2.9	61
280	Compatibilizing Action of a Poly(styrene-Butadiene) Triblock Co-polymer in ABS/PET-G Blends. <i>Composite Interfaces</i> , 2010 , 17, 175-196	2.3	3
279	Morphology, Dynamic Mechanical, Thermal, and Crystallization Behaviors of Poly(trimethylene terephthalate)/Polycarbonate Blends. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 3873-3882	3.0	21
278	Morphology and Mechanical Properties of Normal Blends and In-Situ Microfibrillar Composites from Low-Density Polyethylene and Poly(ethylene terephthalate). <i>Polymer-Plastics Technology and Engineering</i> , 2010 , 49, 442-448		24
277	Influence of polarity parameters on the mechanical properties of composites from polypropylene fiber and short banana fiber. <i>Composites Part A: Applied Science and Manufacturing</i> , 2010 , 41, 1380-1387	8.4	82
276	Dynamics of phase separation in poly(acrylonitrile-butadiene-styrene)-modified epoxy/DDS system: kinetics and viscoelastic effects. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 13271-81	3.4	53
275	Mechanical Performance of Short Banana/Sisal Hybrid Fiber Reinforced Polyester Composites. <i>Journal of Reinforced Plastics and Composites</i> , 2010 , 29, 12-29	2.9	129
274	Ionic conductivity and interfacial properties of nanochitin-incorporated polyethylene oxide/In(C ₂ F ₅ SO ₂) ₂ polymer electrolytes. <i>Electrochimica Acta</i> , 2010 , 55, 1401-1406	6.7	23
273	Preparation of Bionanomaterials and their Polymer Nanocomposites from Waste and Biomass. <i>Waste and Biomass Valorization</i> , 2010 , 1, 121-134	3.2	93
272	Transport of methyl methacrylate monomer through natural rubber. <i>Journal of Materials Science</i> , 2010 , 45, 409-417	4.3	5
271	Effect of sequence of nanoclay addition in TPU/PP blends: thermomechanical properties. <i>Journal of Materials Science</i> , 2010 , 45, 1078-1085	4.3	12

270	Epoxy resin/liquid natural rubber system: secondary phase separation and its impact on mechanical properties. <i>Journal of Materials Science</i> , 2010 , 45, 1769-1781	4.3	58
269	Morphology, mechanical and thermal properties of nano-structured full IPNs based on polyisoprene and PMMA. <i>Journal of Materials Science</i> , 2010 , 45, 2892-2901	4.3	11
268	Structural and mechanical properties of YBCO-polystyrene composites. <i>Journal of Applied Polymer Science</i> , 2010 , 118, n/a-n/a	2.9	3
267	Dynamic mechanical properties of oil palm microfibril-reinforced natural rubber composites. <i>Journal of Applied Polymer Science</i> , 2010 , 117, NA-NA	2.9	27
266	Main chain and segmental dynamics of semi interpenetrating polymer networks based on polyisoprene and poly(methyl methacrylate). <i>Polymer</i> , 2010 , 51, 2390-2402	3.9	23
265	Isolation of nanocellulose from pineapple leaf fibres by steam explosion. <i>Carbohydrate Polymers</i> , 2010 , 81, 720-725	10.3	436
264	Preparation of polypropylene fiber/banana fiber composites by novel commingling method. <i>Polymer Composites</i> , 2010 , 31, 816-824	3	21
263	High-performance nanocomposites based on acrylonitrile-butadiene rubber with fillers of different particle size: Mechanical and morphological studies. <i>Polymer Composites</i> , 2010 , 31, 1515-1524	3	27
262	Thermal and crystallization behavior of cotton/polypropylene commingled composite systems. <i>Polymer Composites</i> , 2010 , 31, 1487-1494	3	23
261	Dynamic mechanical analysis of novel composites from commingled polypropylene fiber and banana fiber. <i>Polymer Engineering and Science</i> , 2010 , 50, 384-395	2.3	36
260	Melt rheology of HDPE/EVA blends: The effects of blend ratio, compatibilization, and dynamic vulcanization. <i>Polymer Engineering and Science</i> , 2010 , 50, 665-676	2.3	17
259	Oil palm microcomposites: Processing and mechanical behavior. <i>Polymer Engineering and Science</i> , 2010 , 50, 1853-1863	2.3	16
258	Preparation and characterization of nanoclay-filled polyurethane/polypropylene blends. <i>Polymer Engineering and Science</i> , 2010 , 50, 1878-1886	2.3	15
257	Rheology and morphology of polytrimethylene terephthalate/ethylene propylene diene monomer blends in the presence and absence of a reactive compatibilizer. <i>Polymer Engineering and Science</i> , 2010 , 50, 1945-1955	2.3	13
256	Pervaporation of Alcohol-Aromatic Hydrocarbon Mixtures Through Poly(ethylene-co-vinyl acetate) Membranes. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2009 , 46, 274-281	2.2	3
255	Comparison of Interaction of Aromatic Solvents in Hybrid and Textile Biocomposites. <i>Journal of Elastomers and Plastics</i> , 2009 , 41, 523-541	1.6	
254	Dynamic mechanical properties of cotton/polypropylene commingled composite systems. <i>Journal of Applied Polymer Science</i> , 2009 , 114, 2624-2631	2.9	7
253	Dynamic mechanical properties of sisal fiber reinforced polyester composites fabricated by resin transfer molding. <i>Polymer Composites</i> , 2009 , 30, 768-775	3	31

252	High-performance composite from epoxy and glass fibers: Morphology, mechanical, dynamic mechanical, and thermal analysis. <i>Polymer Composites</i> , 2009 , 30, 982-992	3	17
251	Natural fiber hybrid composites: A comparison between compression molding and resin transfer molding. <i>Polymer Composites</i> , 2009 , 30, 1417-1425	3	27
250	Dynamic mechanical analysis of oil palm microfibril-reinforced acrylonitrile butadiene rubber composites. <i>Polymer Composites</i> , 2009 , 31, NA-NA	3	3
249	The role of interface modification on thermal degradation and crystallization behavior of composites from commingled polypropylene fiber and banana fiber. <i>Polymer Composites</i> , 2009 , 31, NA-NA	3	4
248	Nonisothermal thermophysical evaluation of polypropylene/natural rubber based TPEs: Effect of blend ratio and dynamic vulcanization. <i>Polymer Engineering and Science</i> , 2009 , 49, 1332-1339	2-3	9
247	A study on reaction-induced miscibility of poly(trimethylene terephthalate)/polycarbonate blends. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 1569-78	3-4	28
246	Dynamic Mechanical Analysis of in situ Microfibrillar Composites Based on PP and PET. <i>Polymer-Plastics Technology and Engineering</i> , 2009 , 48, 455-463		19
245	Tensile Stress Relaxation Studies of TiO ₂ and Nanosilica Filled Natural Rubber Composites. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 3410-3416	3-9	48
244	Polystyrene/Calcium Phosphate Nanocomposites: Preparation, Morphology, and Mechanical Behavior. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 97-104	3-8	45
243	Mechanical, atomic force microscopy and focussed ion beam studies of isotactic polystyrene/titanium dioxide composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2009 , 40, 36-44	8-4	25
242	Effect of fiber surface modification on the mechanical and water absorption characteristics of sisal/polyester composites fabricated by resin transfer molding. <i>Composites Part A: Applied Science and Manufacturing</i> , 2009 , 40, 1777-1784	8-4	257
241	Rheology, Morphology, Mechanical Properties and Free Volume of Poly(trimethylene terephthalate)/Polycarbonate Blends. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 9942-9951	3-9	28
240	Complex phase separation in poly(acrylonitrile-butadiene-styrene)-modified epoxy/4,4'-diaminodiphenyl sulfone blends: generation of new micro- and nanosubstructures. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 5418-30	3-4	63
239	Nonlinear Viscoelastic Behavior of Silica-Filled Natural Rubber Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 17997-18002	3-8	90
238	Mechanical Properties and Morphology of Nanoclay-Filled Different TPU/PP Blends. <i>Polymer-Plastics Technology and Engineering</i> , 2009 , 48, 871-876		12
237	Effect of draw ratio on the microstructure, thermal, tensile and dynamic rheological properties of insitu microfibrillar composites. <i>European Polymer Journal</i> , 2009 , 45, 1738-1747	5-2	55
236	Solvatochromic and electrokinetic studies of banana fibrils prepared from steam-exploded banana fiber. <i>Biomacromolecules</i> , 2008 , 9, 1802-10	6-9	25
235	A novel method for the synthesis of cellulose nanofibril whiskers from banana fibers and characterization. <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 5617-27	5-7	252

234	Characterization of EVA/clay nanocomposite membranes and its pervaporation performance. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 4009-15	3.4	27
233	PVT behavior of thermoplastic poly(styrene-co-acrylonitrile)-modified epoxy systems: relating polymerization-induced viscoelastic phase separation with the cure shrinkage performance. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 14793-803	3.4	47
232	Gas Transport Through Nano Poly(ethylene-co-vinyl acetate) Composite Membranes. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 4898-4904	3.9	37
231	Effect of chemical modification on properties of hybrid fiber biocomposites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2008 , 39, 352-363	8.4	190
230	Morphology, static and dynamic mechanical properties of in situ microfibrillar composites based on polypropylene/poly (ethylene terephthalate) blends. <i>Composites Part A: Applied Science and Manufacturing</i> , 2008 , 39, 164-175	8.4	99
229	Effect of fiber loading and chemical treatments on thermophysical properties of banana fiber/polypropylene commingled composite materials. <i>Composites Part A: Applied Science and Manufacturing</i> , 2008 , 39, 1582-1588	8.4	210
228	Permeation of Oxygen and Nitrogen Gases through Poly(ethylene-co-vinyl acetate) Membranes. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2008 , 57, 1104-1118	3	3
227	Green Composites from Natural Fibers and Natural Rubber: Effect of Fiber Ratio on Mechanical and Swelling Characteristics. <i>Journal of Natural Fibers</i> , 2008 , 5, 47-60	1.8	41
226	Thermal behavior of chemically treated and untreated sisal fiber reinforced composites fabricated by resin transfer molding. <i>Composite Interfaces</i> , 2008 , 15, 629-650	2.3	16
225	Studies on Tensile and Flexural Properties of Short Banana/Glass Hybrid Fiber Reinforced Polystyrene Composites. <i>Journal of Composite Materials</i> , 2008 , 42, 1471-1489	2.7	92
224	Effect of chemical treatment on dynamic mechanical properties of sisal fiber-reinforced polyester composites fabricated by resin transfer molding. <i>Composite Interfaces</i> , 2008 , 15, 263-279	2.3	32
223	Thermal degradation and crystallisation studies of reactively compatibilised polymer blends. <i>Polymer Degradation and Stability</i> , 2008 , 93, 1176-1187	4.7	33
222	Thermogravimetric and wide angle X-ray diffraction analysis of thermoplastic elastomers from nylon copolymer and EPDM rubber. <i>Polymer Degradation and Stability</i> , 2008 , 93, 2104-2112	4.7	21
221	Miscibility, morphology, thermal, and mechanical properties of a DGEBA based epoxy resin toughened with a liquid rubber. <i>Polymer</i> , 2008 , 49, 278-294	3.9	364
220	Molecular transport characteristics of poly (ethylene-co-vinyl acetate) membranes in the presence of normal alkanes. <i>Packaging Technology and Science</i> , 2008 , 21, 103-114	2.3	3
219	Stress-relaxation behavior of natural rubber/polystyrene and natural rubber/polystyrene/natural rubber-graft-polystyrene blends. <i>Journal of Applied Polymer Science</i> , 2008 , 108, 904-913	2.9	21
218	Mechanical properties and water sorption behavior of phenol formaldehyde hybrid composites reinforced with banana fiber and glass fiber. <i>Journal of Applied Polymer Science</i> , 2008 , 109, 1439-1446	2.9	31
217	Electrical properties of banana fiber-reinforced phenol formaldehyde composites. <i>Journal of Applied Polymer Science</i> , 2008 , 109, 256-263	2.9	51

216	Effect of chemical modifications on the thermal stability and degradation of banana fiber and banana fiber-reinforced phenol formaldehyde composites. <i>Journal of Applied Polymer Science</i> , 2008 , 110, 2305-2314	2.9	27
215	Mechanical and water sorption studies of ecofriendly banana fiber-reinforced polyester composites fabricated by RTM. <i>Journal of Applied Polymer Science</i> , 2008 , 109, 1547-1555	2.9	52
214	Mechanical properties of poly(styrene-co-acrylonitrile)-modified epoxy resin/glass fiber composites. <i>Journal of Applied Polymer Science</i> , 2008 , 110, 3431-3438	2.9	14
213	Morphology and transport characteristics of poly(ethylene-co-vinyl acetate)/clay nanocomposites. <i>Journal of Membrane Science</i> , 2008 , 315, 147-154	9.6	37
212	Polystyrene/calcium phosphate nanocomposites: Dynamic mechanical and differential scanning calorimetric studies. <i>Composites Science and Technology</i> , 2008 , 68, 3220-3229	8.6	46
211	Improving reinforcement of natural rubber by networking of activated carbon nanotubes. <i>Carbon</i> , 2008 , 46, 1037-1045	10.4	226
210	Biofibres and biocomposites. <i>Carbohydrate Polymers</i> , 2008 , 71, 343-364	10.3	1564
209	Biodegradability and Aging Studies of Hybrid Biofiber Reinforced Natural Rubber Biocomposites. <i>Journal of Biobased Materials and Bioenergy</i> , 2007 , 1, 118-126	1.4	14
208	Effect of layering pattern on the water absorption behavior of banana glass hybrid composites. <i>Journal of Applied Polymer Science</i> , 2007 , 105, 2540-2548	2.9	27
207	Flow properties of unvulcanised natural rubber/carboxylated styrene butadiene rubber latices and their blends. <i>Journal of Applied Polymer Science</i> , 2007 , 104, 2528-2535	2.9	3
206	Thermal degradation and ageing behavior of microcomposites of natural rubber, carboxylated styrene butadiene rubber latices, and their blends. <i>Journal of Applied Polymer Science</i> , 2007 , 105, 341-351	2.9	13
205	Molecular transport of aromatic solvents through microcomposites of natural rubber (NR), carboxylated styrene butadiene rubber (XSBR) and their blends. <i>Composites Science and Technology</i> , 2007 , 67, 1187-1194	8.6	34
204	A comparative study on mechanical properties of sisal-leaf fibre-reinforced polyester composites prepared by resin transfer and compression moulding techniques. <i>Composites Science and Technology</i> , 2007 , 67, 453-461	8.6	198
203	Diglycidyl ether of bisphenol-A epoxy resin modified using poly(ether ether ketone) with pendent tert-butyl groups. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007 , 45, 2481-2496	2.6	44
202	Sorption and diffusion of normal alkanes through poly(ethylene-co-vinyl acetate) membranes. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007 , 45, 2470-2480	2.6	12
201	Melt rheology and extrudate morphology studies of polystyrene/polybutadiene blends in the presence and absence of compatibilisers. <i>Journal of Materials Science</i> , 2007 , 42, 2054-2063	4.3	4
200	Cure kinetics, morphology and miscibility of modified DGEBA-based epoxy resin [Effects of a liquid rubber inclusion. <i>Polymer</i> , 2007 , 48, 1695-1710	3.9	189
199	Mechanical and Swelling Behavior of Double Networked Natural Rubber Cured Using a New Binary Accelerator System. <i>Rubber Chemistry and Technology</i> , 2007 , 80, 809-819	1.7	6

198	Dynamic Mechanical and Dielectric Properties of Nanocomposites of Natural Rubber (NR), Carboxylated Styrene Butadiene Rubber (XSBR) Latices and their Blends. <i>Rubber Chemistry and Technology</i> , 2007 , 80, 672-689	1.7	10
197	The role of interface modification on the mechanical properties of injection-moulded composites from commingled polypropylene/banana granules. <i>Composite Interfaces</i> , 2007 , 14, 849-867	2.3	12
196	Morphology, dynamic mechanical and thermal studies on poly(styrene-co-acrylonitrile) modified epoxy resin/glass fibre composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2007 , 38, 2422-2432	8.4	214
195	Cellulosic fibre-reinforced green composites. <i>Composite Interfaces</i> , 2007 , 14, 733-751	2.3	14
194	Supercapacitors from Activated Carbon Derived from Banana Fibers. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 7527-7531	3.8	430
193	Gas transport through nano and micro composites of natural rubber (NR) and their blends with carboxylated styrene butadiene rubber (XSBR) latex membranes. <i>Polymer</i> , 2006 , 47, 858-870	3.9	90
192	Thermal and crystallisation behaviours of blends of polyamide 12 with styrene-ethylene/butylene-tyrene rubbers. <i>Polymer</i> , 2006 , 47, 6328-6336	3.9	36
191	Diffusion and transport through nanocomposites of natural rubber (NR), carboxylated styrene butadiene rubber (XSBR) and their blends. <i>Journal of Membrane Science</i> , 2006 , 282, 162-170	9.6	69
190	Failure properties of thermoplastic elastomers from polyethylene/nitrile rubber blends: Effect of blend ratio, dynamic vulcanization, and filler incorporation. <i>Journal of Applied Polymer Science</i> , 2006 , 100, 2912-2929	2.9	17
189	Differential scanning calorimetric and free volume study of reactive compatibilization by EPM-g-MA of poly(trimethylene terephthalate)/EPDM blends. <i>Journal of Applied Polymer Science</i> , 2006 , 100, 740-747	2.9	16
188	Environmental durability of banana-fiber-reinforced phenol formaldehyde composites. <i>Journal of Applied Polymer Science</i> , 2006 , 100, 2521-2531	2.9	31
187	Rheological behavior of nanocomposites of natural rubber and carboxylated styrene butadiene rubber latices and their blends. <i>Journal of Applied Polymer Science</i> , 2006 , 101, 2355-2362	2.9	41
186	Melting and crystallization behaviors of isotactic polypropylene/acrylonitrile-butadiene rubber blends in the presence and absence of compatibilizers and fillers. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 2067-2080	2.9	20
185	A study on the moisture sorption characteristics in woven sisal fabric reinforced natural rubber biocomposites. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 416-423	2.9	36
184	The Effect of Silane Coupling Agents on the Viscoelastic Properties of Rubber Biocomposites. <i>Macromolecular Materials and Engineering</i> , 2006 , 291, 1119-1126	3.9	47
183	Stress Relaxation and Thermal Analysis of Hybrid Biofiber Reinforced Rubber Biocomposites. <i>Journal of Reinforced Plastics and Composites</i> , 2006 , 25, 1903-1917	2.9	19
182	Novel Woven Sisal Fabric Reinforced Natural Rubber Composites: Tensile and Swelling Characteristics. <i>Journal of Composite Materials</i> , 2006 , 40, 1471-1485	2.7	26
181	The role of fibre/matrix interactions on the dynamic mechanical properties of chemically modified banana fibre/polyester composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2006 , 37, 1260-1269	8.4	192

180	Dynamical mechanical analysis of sisal/oil palm hybrid fiber-reinforced natural rubber composites. <i>Polymer Composites</i> , 2006 , 27, 671-680	3	205
179	Synthesis of hydroxyl-terminated poly(ether ether ketone) with pendent tert-butyl groups and its use as a toughener for epoxy resins. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006 , 44, 541-556	2.6	36
178	Thermophysical properties of natural fibre reinforced polyester composites. <i>Composites Science and Technology</i> , 2006 , 66, 2719-2725	8.6	235
177	Thermal stability and ageing properties of sulphur and gamma radiation vulcanized natural rubber (NR) and carboxylated styrene butadiene rubber (XSBR) latices and their blends. <i>Polymer Degradation and Stability</i> , 2006 , 91, 1717-1725	4.7	40
176	Cure kinetics, morphological and dynamic mechanical analysis of diglycidyl ether of bisphenol-A epoxy resin modified with hydroxyl terminated poly(ether ether ketone) containing pendent tertiary butyl groups. <i>Polymer</i> , 2006 , 47, 5411-5419	3.9	64
175	Pyrolytic carbon from biomass precursors as anode materials for lithium batteries. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 430, 132-137	5.3	92
174	Poly(ether ether ketone) with pendent methyl groups as a toughening agent for amine cured DGEBA epoxy resin. <i>Journal of Materials Science</i> , 2006 , 41, 5467-5479	4.3	46
173	Dielectric characteristics of sisal/bil palm hybrid biofibre reinforced natural rubber biocomposites. <i>Journal of Materials Science</i> , 2006 , 41, 5538-5547	4.3	72
172	Sorption and diffusion of arenes through poly (ethylene-co-vinyl acetate) membranes. <i>Journal of Materials Science</i> , 2006 , 41, 4892-4900	4.3	5
171	Diglycidyl ether of bisphenol-A epoxy resin/polyether sulfone/polyether sulfone ether ketone blends: phase morphology, fracture toughness and thermo-mechanical properties. <i>Colloid and Polymer Science</i> , 2006 , 285, 83-93	2.4	31
170	Water sorption studies of hybrid biofiber-reinforced natural rubber biocomposites. <i>Biomacromolecules</i> , 2005 , 6, 2969-79	6.9	80
169	Dynamic mechanical behavior of short coir fiber reinforced natural rubber composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2005 , 36, 1499-1506	8.4	218
168	The Static and Dynamic Mechanical Properties of Banana and Glass Fiber Woven Fabric-Reinforced Polyester Composite. <i>Journal of Composite Materials</i> , 2005 , 39, 1007-1025	2.7	71
167	Compatibilising action of random and triblock copolymers of poly(styrene-butadiene) in polystyrene/polybutadiene blends: A study by electron microscopy, solid state NMR spectroscopy and mechanical measurements. <i>Polymer</i> , 2005 , 46, 9385-9395	3.9	29
166	Hydroxyl terminated poly(ether ether ketone) with pendent methyl group toughened epoxy resin: miscibility, morphology and mechanical properties. <i>Polymer</i> , 2005 , 46, 12372-12385	3.9	110
165	Dynamic mechanical analysis of randomly oriented intimately mixed short banana/sisal hybrid fibre reinforced polyester composites. <i>Composites Science and Technology</i> , 2005 , 65, 1077-1087	8.6	390
164	Morphology, mechanical and viscoelastic properties of nitrile rubber/epoxidized natural rubber blends. <i>Journal of Applied Polymer Science</i> , 2005 , 97, 1561-1573	2.9	9
163	A study of the mechanical properties of randomly oriented short banana and sisal hybrid fiber reinforced polyester composites. <i>Journal of Applied Polymer Science</i> , 2005 , 96, 1699-1709	2.9	168

162	Effect of layering pattern on dynamic mechanical properties of randomly oriented short banana/sisal hybrid fiber reinforced polyester composites. <i>Journal of Applied Polymer Science</i> , 2005 , 97, 2168-2174	2.9	41
161	Gas permeation studies of natural rubber and carboxylated styrene-butadiene rubber latex membranes. <i>Journal of Applied Polymer Science</i> , 2005 , 98, 1125-1134	2.9	7
160	Diffusion of water and artificial seawater through coir fiber reinforced natural rubber composites. <i>Polymer Composites</i> , 2005 , 26, 136-143	3	39
159	Dynamic mechanical properties of oil palm fiber/phenol formaldehyde and oil palm fiber/glass hybrid phenol formaldehyde composites. <i>Polymer Composites</i> , 2005 , 26, 388-400	3	54
158	Morphology, viscoelastic properties, and mechanical behavior of epoxy resin modified with hydroxyl-terminated poly(ether ether ketone) oligomer with pendent tert-butyl groups. <i>Polymer Engineering and Science</i> , 2005 , 45, 1645-1654	2.3	31
157	Recent Developments in Crosslinking of Elastomers. <i>Rubber Chemistry and Technology</i> , 2005 , 78, 458-488.	2.7	56
156	Dynamic Mechanical Properties of High Density Polyethylene and Nitrile Rubber Blends: Effect of Blend Ratio, Compatibilization and Filler Incorporation. <i>Rubber Chemistry and Technology</i> , 2005 , 78, 286-311	1.7	8
155	A study of advances in characterization of interfaces and fiber surfaces in lignocellulosic fiber-reinforced composites. <i>Composite Interfaces</i> , 2005 , 12, 95-124	2.3	58
154	The role of interfacial interactions on the mechanical properties of banana fibre reinforced phenol formaldehyde composites. <i>Composite Interfaces</i> , 2005 , 12, 581-600	2.3	39
153	Environmental effects in oil palm fiber reinforced phenol formaldehyde composites: Studies on thermal, biological, moisture and high energy radiation effects. <i>Advanced Composite Materials</i> , 2004 , 13, 171-197	2.8	40
152	Phase Morphology Development in Uncompatibilized and Reactively Compatibilized Nylon-6/Ethylene Propylene Rubber (EPR) Blends: Effect of Mixer Type on Morphology. <i>Journal of Macromolecular Science - Physics</i> , 2004 , 43, 1025-1043	1.4	3
151	Mechanical properties of sisal/oil palm hybrid fiber reinforced natural rubber composites. <i>Composites Science and Technology</i> , 2004 , 64, 955-965	8.6	486
150	Viscoelastic behavior of polypropylene/nitrile rubber thermoplastic elastomer blends: Application of Kerner's models for reactively compatibilized and dynamically vulcanized systems. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004 , 42, 1417-1432	2.6	9
149	Influence of carboxyl-terminated (butadiene-co-acrylonitrile) loading on the mechanical and thermal properties of cured epoxy blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004 , 42, 2531-2544	2.6	87
148	Effect of fibre length and chemical modifications on the tensile properties of intimately mixed short sisal/glass hybrid fibre reinforced low density polyethylene composites. <i>Polymer International</i> , 2004 , 53, 1624-1638	3.3	113
147	Studies on double networks in natural rubber vulcanizates. <i>Journal of Applied Polymer Science</i> , 2004 , 91, 1068-1076	2.9	13
146	Permeation of chlorinated hydrocarbons through nylon 6/ethylene-propylene rubber blends. <i>Journal of Applied Polymer Science</i> , 2004 , 91, 3756-3764	2.9	13
145	Effect of hybridization and chemical modification on the water-absorption behavior of banana fiber reinforced polyester composites. <i>Journal of Applied Polymer Science</i> , 2004 , 91, 3856-3865	2.9	89

144	Melt rheology and morphology of uncompatibilized and in situ compatibilized nylon-6/ethylene propylene rubber blends. <i>Journal of Applied Polymer Science</i> , 2004 , 92, 252-264	2.9	25
143	Cure characteristics and mechanical properties of short nylon fiber-reinforced nitrile rubber composites. <i>Journal of Applied Polymer Science</i> , 2004 , 92, 1023-1030	2.9	29
142	Natural rubber composites reinforced with sisal/oil palm hybrid fibers: Tensile and cure characteristics. <i>Journal of Applied Polymer Science</i> , 2004 , 93, 2305-2312	2.9	71
141	Tensile stress relaxation of short-coir-fiber-reinforced natural rubber composites. <i>Journal of Applied Polymer Science</i> , 2004 , 94, 96-104	2.9	37
140	Ageing studies of pineapple leaf fiber-reinforced polyester composites. <i>Journal of Applied Polymer Science</i> , 2004 , 94, 503-510	2.9	43
139	Effects of the blend ratio and crosslinking systems on the curing behavior, morphology, and mechanical properties of styrene-butadiene rubber/poly(ethylene-co-vinyl acetate) blends. <i>Journal of Applied Polymer Science</i> , 2004 , 94, 827-837	2.9	34
138	Transport of organic solvents through coir-fiber-reinforced natural rubber composites: a method for evaluating interfacial interaction. <i>Journal of Adhesion Science and Technology</i> , 2004 , 18, 951-966	2	10
137	Design and characterisation of microfibrillar reinforced composite materials based on PET/PA12 blends. <i>Composites Part A: Applied Science and Manufacturing</i> , 2004 , 35, 489-499	8.4	34
136	Effect of 1-phenyl-2,4-dithiobiuret as secondary accelerator on cure characteristics and vulcanisate properties of natural rubber-styrene/butadiene rubber blends. <i>Plastics, Rubber and Composites</i> , 2003 , 32, 3-10	1.5	1
135	Dynamic mechanical behavior of high-density polyethylene/ethylene vinyl acetate copolymer blends: The effects of the blend ratio, reactive compatibilization, and dynamic vulcanization. <i>Journal of Applied Polymer Science</i> , 2003 , 87, 2083-2099	2.9	80
134	Physical, mechanical, and viscoelastic properties of natural rubber vulcanizates cured with new binary accelerator system. <i>Journal of Applied Polymer Science</i> , 2003 , 87, 2193-2203	2.9	11
133	Melt rheological behavior of intimately mixed short sisal/glass hybrid fiber-reinforced low-density polyethylene composites. I. Untreated fibers. <i>Journal of Applied Polymer Science</i> , 2003 , 89, 432-442	2.9	43
132	Mechanical and viscoelastic behavior of natural rubber and carboxylated styrene-butadiene rubber latex blends. <i>Journal of Applied Polymer Science</i> , 2003 , 88, 2639-2648	2.9	22
131	Polystyrene/polybutadiene blends: An analysis of the phase-inversion region and cophase continuity and a comparison with theoretical predictions. <i>Journal of Applied Polymer Science</i> , 2003 , 89, 1007-1016	2.9	10
130	Mass transfer characteristics of natural rubber/ethylene vinyl acetate blends. <i>Journal of Applied Polymer Science</i> , 2003 , 90, 2691-2702	2.9	24
129	Studies on novel binary accelerator system in sulfur vulcanization of natural rubber. <i>Journal of Applied Polymer Science</i> , 2003 , 90, 3173-3182	2.9	19
128	Morphology, morphology development and mechanical properties of polystyrene/polybutadiene blends. <i>European Polymer Journal</i> , 2003 , 39, 115-125	5.2	52
127	Influence of hygrothermally degraded polyester-urethane on physical and mechanical properties of chloroprene rubber. <i>European Polymer Journal</i> , 2003 , 39, 69-76	5.2	9

126	Studies on accelerated sulphur vulcanization of natural rubber using 1-phenyl-2, 4-dithiobiuret/tertiary butyl benzothiazole sulphenamide. <i>European Polymer Journal</i> , 2003 , 39, 1451-1460 ^{5.2}	42
125	Compatibilisation of heterogeneous acrylonitrile-Butadiene rubber/polystyrene blends by the addition of styrene-acrylonitrile copolymer: effect on morphology and mechanical properties. <i>Polymer</i> , 2003 , 44, 1295-1307	3.9 36
124	Cure kinetics and morphology of blends of epoxy resin with poly (ether ether ketone) containing pendant tertiary butyl groups. <i>Polymer</i> , 2003 , 44, 3687-3699	3.9 97
123	Dynamic mechanical analysis of banana fiber reinforced polyester composites. <i>Composites Science and Technology</i> , 2003 , 63, 283-293	8.6 653
122	Polarity parameters and dynamic mechanical behaviour of chemically modified banana fiber reinforced polyester composites. <i>Composites Science and Technology</i> , 2003 , 63, 1231-1240	8.6 152
121	Sorption and diffusion of methyl substituted benzenes through cross-linked nitrile rubber/poly(ethylene co-vinyl acetate) blend membranes. <i>Journal of Membrane Science</i> , 2003 , 220, 13-30 ^{9.6}	58
120	Viscoelastic properties of nanostructured natural rubber/polystyrene interpenetrating polymer networks. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003 , 41, 1680-1696	2.6 20
119	Effect of interface modification on the mechanical properties of polystyrene-sisal fiber composites. <i>Polymer Composites</i> , 2003 , 24, 332-343	3 42
118	Transport of aromatic solvents through nitrile rubber/epoxidized natural rubber blend membranes. <i>Polymer Engineering and Science</i> , 2003 , 43, 704-715	2.3 9
117	Blends of nylon/acrylonitrile butadiene rubber: Effects of blend ratio, dynamic vulcanization and reactive compatibilization on rheology and extrudate morphology. <i>Polymer Engineering and Science</i> , 2003 , 43, 1555-1565	2.3 39
116	Sulphur Vulcanisation of Styrene Butadiene Rubber Using New Binary Accelerator Systems. <i>Journal of Elastomers and Plastics</i> , 2003 , 35, 29-55	1.6 20
115	Phase morphology development and melt rheological behavior in nylon 6/polystyrene blends. <i>Journal of Applied Polymer Science</i> , 2002 , 86, 3537-3555	2.9 19
114	Transport of substituted benzenes through nitrile rubber/natural rubber blend membranes. <i>Journal of Membrane Science</i> , 2002 , 202, 35-54	9.6 47
113	The mechanical performance of hybrid phenol-formaldehyde-based composites reinforced with glass and oil palm fibres. <i>Composites Science and Technology</i> , 2002 , 62, 339-353	8.6 336
112	Environmental effects on the degradation behaviour of sisal fibre reinforced polypropylene composites. <i>Composites Science and Technology</i> , 2002 , 62, 1357-1372	8.6 339
111	Modeling of tensile moduli in polystyrene/ polybutadiene blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2002 , 40, 755-764	2.6 27
110	Dynamic mechanical behavior of acrylonitrile butadiene rubber/poly(ethylene-co-vinyl acetate) blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2002 , 40, 1556-1570	2.6 34
109	Short sisal fiber reinforced polypropylene composites: the role of interface modification on ultimate properties. <i>Composite Interfaces</i> , 2002 , 9, 171-205	2.3 87

108	Effect of fiber surface treatments on the fiber-matrix interaction in banana fiber reinforced polyester composites. <i>Composite Interfaces</i> , 2002 , 9, 335-353	2.3	80
107	Melt elasticity and extrudate characteristics of polystyrene/polybutadiene blends. <i>Materials Letters</i> , 2002 , 53, 268-276	3.3	7
106	Melt elasticity behaviour and extrudate characteristics of LLDPE/EVA blends: effect of blend ratio, compatibilisation and dynamic cross-linking. <i>Materials Letters</i> , 2002 , 53, 346-352	3.3	11
105	Melt elasticity and flow activation energy of nylon 6/polystyrene blends. <i>Materials Letters</i> , 2002 , 57, 475-480	3.3	14
104	Influence of chemical treatments on the electrokinetic properties of cellulose fibres. <i>Journal of Adhesion Science and Technology</i> , 2002 , 16, 157-178	2	43
103	Stress-relaxation behaviour in composites based on short oil-palm fibres and phenol formaldehyde resin. <i>Composites Science and Technology</i> , 2001 , 61, 1175-1188	8.6	54
102	Studies on the thermal stability of natural rubber/polystyrene interpenetrating polymer networks: thermogravimetric analysis. <i>Polymer Degradation and Stability</i> , 2001 , 72, 423-439	4.7	98
101	Transport phenomena through polymeric systems. <i>Progress in Polymer Science</i> , 2001 , 26, 985-1017	29.6	568
100	Water-sorption kinetics in oil palm fibers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2001 , 39, 1215-1223	2.6	37
99	A review on interface modification and characterization of natural fiber reinforced plastic composites. <i>Polymer Engineering and Science</i> , 2001 , 41, 1471-1485	2.3	817
98	Permeation of nitrogen and oxygen gases through styrene-butadiene rubber, natural rubber and styrene-butadiene rubber/natural rubber blend membranes. <i>European Polymer Journal</i> , 2001 , 37, 183-197	5.2	26
97	Interfacial adhesion in sisal fiber/SBR composites: an investigation by the restricted equilibrium swelling technique. <i>Journal of Adhesion Science and Technology</i> , 2001 , 15, 633-652	2	16
96	Izod impact behavior of natural rubber/polystyrene interpenetrating polymer networks. <i>Materials Letters</i> , 2001 , 50, 154-163	3.3	9
95	Stress relaxation behaviour in oil palm fibres. <i>Materials Letters</i> , 2001 , 50, 263-273	3.3	31
94	Dynamic mechanical and thermal properties of physically compatibilized natural rubber/poly(methyl methacrylate) blends by the addition of natural rubber-graft- poly(methyl methacrylate). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000 , 38, 525-536	2.6	79
93	Melt rheology and morphology of thermoplastic elastomers from polyethylene/nitrile-rubber blends: The effect of blend ratio, reactive compatibilization, and dynamic vulcanization. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000 , 38, 1104-1122	2.6	31
92	Morphology, mechanical properties, and failure topography of semi-interpenetrating polymer networks based on natural rubber and polystyrene. <i>Journal of Applied Polymer Science</i> , 2000 , 78, 2327-2344	2.9	25
91	Molecular transport of aromatic hydrocarbons through nylon-6/ethylene propylene rubber blends: Relationship between phase morphology and transport characteristics. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000 , 38, 2136-2153	2.6	21

90	Determination of polarity parameters of chemically modified cellulose fibers by means of the solvatochromic technique. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000 , 38, 2546-2553	2.6	30
89	Pervaporation separation of chlorinated hydrocarbon and acetone mixtures with crosslinked styrene-butadiene rubber and natural rubber blend membranes. <i>Journal of Membrane Science</i> , 2000 , 176, 131-142	9.6	21
88	The role of crosslinking and crystallisation on the transport characteristics of ethylene-propylene rubber membranes. <i>Journal of Membrane Science</i> , 2000 , 177, 1-7	9.6	13
87	Morphology and melt rheological behaviour of short-sisal-fibre-reinforced SBR composites. <i>Composites Science and Technology</i> , 2000 , 60, 1737-1751	8.6	53
86	Thermal conductivity and thermal diffusivity analyses of low-density polyethylene composites reinforced with sisal, glass and intimately mixed sisal/glass fibres. <i>Composites Science and Technology</i> , 2000 , 60, 2967-2977	8.6	122
85	Carbon-Black-Filled SBR Composites: The Effect of Rubber-Filler Interaction on Transport. <i>Journal of Macromolecular Science - Physics</i> , 2000 , 39, 175-195	1.4	11
84	SORPTION, DIFFUSION, AND PERMEATION OF CHLORINATED HYDROCARBON VAPORS THROUGH NATURAL RUBBER, EPOXIDIZED NATURAL RUBBER, AND THEIR BLENDS. <i>Polymer-Plastics Technology and Engineering</i> , 2000 , 39, 363-380		9
83	THERMAL DEGRADATION OF NATURAL RUBBER/STYRENE BUTADIENE RUBBER LATEX BLENDS BY THERMOGRAVIMETRIC METHOD. <i>Polymer-Plastics Technology and Engineering</i> , 2000 , 39, 415-435		32
82	Melt Rheology and Morphology of Nitrile Rubber and Ethylene-Vinyl Acetate Copolymer Blends. <i>Polymer-Plastics Technology and Engineering</i> , 1999 , 38, 319-339		7
81	Nitrogen/oxygen permeability of natural rubber, epoxidised natural rubber and natural rubber/epoxidised natural rubber blends. <i>Polymer</i> , 1999 , 40, 3223-3228	3.9	56
80	Rheological behaviour of thermoplastic elastomers from polypropylene/acrylonitrile-butadiene rubber blends: effect of blend ratio, reactive compatibilization and dynamic vulcanization. <i>Polymer</i> , 1999 , 40, 4325-4344	3.9	99
79	Reactive compatibilisation of heterogeneous ethylene propylene rubber (EPM)/nylon 6 blends by the addition of compatibiliser precursor EPM-g-MA. <i>Polymer</i> , 1999 , 40, 5799-5819	3.9	93
78	Effect of epoxidation of natural rubber on the pervaporation separation of acetone-chlorinated hydrocarbon mixtures. <i>Journal of Membrane Science</i> , 1999 , 155, 133-143	9.6	5
77	Effect of nature and extent of crosslinking on swelling and mechanical behavior of styrene-butadiene rubber membranes. <i>Journal of Membrane Science</i> , 1999 , 163, 1-17	9.6	71
76	Effect of processing variables on the mechanical properties of sisal-fiber-reinforced polypropylene composites. <i>Composites Science and Technology</i> , 1999 , 59, 1625-1640	8.6	406
75	Thermoplastic elastomers from blends of polystyrene and natural rubber: morphology and mechanical properties. <i>European Polymer Journal</i> , 1999 , 35, 253-271	5.2	82
74	Natural rubber/epoxidised natural rubber-25 blends: morphology, transport phenomena and mechanical properties. <i>Journal of Materials Science</i> , 1999 , 34, 3221-3239	4.3	27
73	Nylon 6/ethylene propylene rubber (EPM) blends: Phase morphology development during processing and comparison with literature data. <i>Journal of Applied Polymer Science</i> , 1999 , 71, 1405-1429	2.9	60

72	Pervaporation of acetone-chlorinated hydrocarbon mixtures through polymer blend membranes of natural rubber and epoxidized natural rubber. <i>Journal of Applied Polymer Science</i> , 1999 , 71, 2365-2379	2.9	13
71	Dielectric properties of isotactic polypropylene/nitrile rubber blends: Effects of blend ratio, filler addition, and dynamic vulcanization. <i>Journal of Applied Polymer Science</i> , 1999 , 73, 255-270	2.9	69
70	Transport of benzene and methyl-substituted benzenes through carbon black-filled epoxidized natural rubber. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1999 , 37, 415-427	2.6	3
69	Transport properties of crosslinked acrylonitrile butadiene rubber/poly(ethylene-co-vinyl acetate) blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1999 , 37, 1815-1831	2.6	28
68	Physical and rheological characteristics of liquid natural rubber modified bitumen. <i>Journal of Applied Polymer Science</i> , 1998 , 68, 53-61	2.9	11
67	Natural rubber/ethylene butadiene rubber latex blends: Time-dependent rheological behavior and film formation. <i>Journal of Applied Polymer Science</i> , 1998 , 68, 1473-1483	2.9	4
66	Melt rheology and morphology of physically compatibilized natural rubber/polystyrene blends by the addition of natural rubber-g-polystyrene. <i>Journal of Applied Polymer Science</i> , 1998 , 69, 2673-2690	2.9	28
65	Thermal behaviour of natural rubber/polystyrene blends: thermogravimetric and differential scanning calorimetric analysis. <i>Polymer Degradation and Stability</i> , 1998 , 61, 431-439	4.7	59
64	Composite of short coir fibres and natural rubber: effect of chemical modification, loading and orientation of fibre. <i>Polymer</i> , 1998 , 39, 1483-1491	3.9	235
63	Rheological behaviour of binary and ternary blends of poly(vinyl chloride) (PVC), poly(ethylene-co-vinyl acetate) (EVA) and poly(styrene-co-acrylonitrile) (SAN). <i>European Polymer Journal</i> , 1997 , 33, 1397-1399	5.2	12
62	Flame retardant properties of binary blends: a comparison of miscible and immiscible blends. <i>Polymer Degradation and Stability</i> , 1997 , 57, 187-189	4.7	9
61	Effect of surface treatments on the electrical properties of low-density polyethylene composites reinforced with short sisal fibers. <i>Composites Science and Technology</i> , 1997 , 57, 67-79	8.6	263
60	Melt rheological behaviour of natural rubber/poly(methyl methacrylate)/natural rubber-g-poly(methyl methacrylate) blends. <i>Polymer</i> , 1997 , 38, 5611-5621	3.9	58
59	Sorption and diffusion of aliphatic hydrocarbons into crosslinked natural rubber. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1997 , 35, 725-734	2.6	39
58	Dynamic mechanical properties of isotactic polypropylene/nitrile rubber blends: Effects of blend ratio, reactive compatibilization, and dynamic vulcanization. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1997 , 35, 2309-2327	2.6	84
57	Electrical properties of natural-fiber-reinforced low density polyethylene composites: A comparison with carbon black and glass-fiber-filled low density polyethylene composites. <i>Journal of Applied Polymer Science</i> , 1997 , 63, 247-266	2.9	102
56	Tearing behavior of blends of isotactic polypropylene and nitrile rubber: influence of blend ratio, morphology and compatibilizer loading. <i>Materials Letters</i> , 1996 , 26, 51-58	3.3	24
55	Melt Flow Behavior of Short Coir Fiber Reinforced Natural Rubber Composites. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 1996 , 32, 147-161	3	19

54	Pervaporation of chlorinated hydrocarbon-acetone mixtures through poly(ethylene-co-vinyl acetate) membranes. <i>Journal of Applied Polymer Science</i> , 1996 , 60, 735-741	2.9	9
53	Molecular transport of benzene and methyl-substituted benzenes into filled natural rubber sheets. <i>Journal of Applied Polymer Science</i> , 1996 , 60, 963-970	2.9	23
52	Use of natural rubber prophylactics waste as a potential filler in styrene-butadiene rubber compounds. <i>Journal of Applied Polymer Science</i> , 1996 , 61, 2035-2050	2.9	35
51	Morphology and mechanical properties of thermoplastic elastomers from nylon-nitrile rubber blends. <i>Journal of Applied Polymer Science</i> , 1996 , 61, 2383-2396	2.9	44
50	Effect of prevulcanization on the rheological behavior of natural rubber/styrene butadiene rubber latex blends. <i>Journal of Applied Polymer Science</i> , 1996 , 62, 2169-2180	2.9	13
49	Effect of chemical treatment on the tensile properties of short sisal fibre-reinforced polyethylene composites. <i>Polymer</i> , 1996 , 37, 5139-5149	3.9	523
48	Sorption and diffusion of aromatic hydrocarbons through filled natural rubber. <i>Polymer</i> , 1996 , 37, 2687-2693	3.9	38
47	Influence of interfacial adhesion on the mechanical properties and fracture behaviour of short sisal fibre reinforced polymer composites. <i>European Polymer Journal</i> , 1996 , 32, 1243-1250	5.2	178
46	Melt rheological behaviour of short pineapple fibre reinforced low density polyethylene composites. <i>Polymer</i> , 1996 , 37, 5421-5431	3.9	131
45	Compatibilizing effect of natural rubber-g-poly(methyl methacrylate) in heterogeneous natural rubber/poly(methyl methacrylate) blends. <i>Polymer Engineering and Science</i> , 1996 , 36, 151-160	2.3	36
44	Molecular transport of aromatic hydrocarbons through crosslinked styrene-butadiene rubber membranes. <i>Polymer</i> , 1996 , 37, 5839-5848	3.9	46
43	Transport of aromatic hydrocarbons through crosslinked nitrile rubber membranes. <i>Journal of Macromolecular Science - Physics</i> , 1996 , 35, 229-253	1.4	55
42	Flow Behavior Of Natural Rubber/Epoxidized Natural Rubber Latex Blends. <i>Polymer-Plastics Technology and Engineering</i> , 1996 , 35, 1-11		14
41	Tensile properties of short sisal fiber reinforced polystyrene composites 1996 , 60, 1483		7
40	Tear and processing behaviour of short sisal fibre reinforced styrene butadiene rubber composites. <i>Polymer International</i> , 1995 , 38, 173-182	3.3	27
39	Effect of ageing on the physical and mechanical properties of sisal-fiber-reinforced polyethylene composites. <i>Composites Science and Technology</i> , 1995 , 53, 99-110	8.6	112
38	Transport of styrene monomer through natural rubber. <i>Polymer</i> , 1995 , 36, 4935-4942	3.9	53
37	Short fibre elastomer composites: effect of fibre length, orientation, loading and bonding agent. <i>Bulletin of Materials Science</i> , 1995 , 18, 1021-1029	1.7	22

36	Effect of Casting Solvents and Compatibilizer Loading on the Morphology and Properties of Natural Rubber/Polystyrene Blends. <i>Polymer-Plastics Technology and Engineering</i> , 1995 , 34, 633-648		14
35	The Technological Compatibilization of Natural Rubber/Polystyrene Blends by the Addition of Natural Rubber-graft-Polystyrene. <i>Rubber Chemistry and Technology</i> , 1995 , 68, 671-687	1.7	43
34	Tensile Impact Strength of Blends of High-Density Polyethylene and Acrylonitrile-Butadiene-Rubber: Effect of Blend Ratio and Compatibilization. <i>Polymer-Plastics Technology and Engineering</i> , 1995 , 34, 561-579		8
33	Tearing behavior and recyclability of nitrile rubber/poly(ethylene-co-vinyl acetate) blends. <i>Materials Letters</i> , 1995 , 24, 333-339	3.3	18
32	Effect of Adhesion on the Equilibrium Swelling of Short Sisal Fiber Reinforced Natural Rubber Composites. <i>Rubber Chemistry and Technology</i> , 1995 , 68, 37-49	1.7	36
31	Short coir fiber-reinforced natural rubber composites: Effects of fiber length, orientation, and alkali treatment. <i>Journal of Applied Polymer Science</i> , 1995 , 55, 583-594	2.9	195
30	Flow properties of thermally depolymerized liquid natural rubber. <i>Journal of Applied Polymer Science</i> , 1995 , 55, 723-731	2.9	5
29	Rheological behavior of blends of natural rubber and styrene-butadiene rubber latices. <i>Journal of Applied Polymer Science</i> , 1995 , 56, 451-460	2.9	19
28	High density polyethylene/acrylonitrile butadiene rubber blends: Morphology, mechanical properties, and compatibilization. <i>Journal of Applied Polymer Science</i> , 1995 , 57, 449-465	2.9	30
27	Short pineapple-leaf-fiber-reinforced low-density polyethylene composites. <i>Journal of Applied Polymer Science</i> , 1995 , 57, 843-854	2.9	111
26	Short sisal fiber reinforced styrene-butadiene rubber composites. <i>Journal of Applied Polymer Science</i> , 1995 , 58, 597-612	2.9	66
25	Morphology, mechanical and viscoelastic behaviour of blends of nitrile rubber and ethylene-vinyl acetate copolymer. <i>European Polymer Journal</i> , 1995 , 31, 957-967	5.2	69
24	Mechanical and viscoelastic properties of short fiber reinforced natural rubber composites: effects of interfacial adhesion, fiber loading, and orientation. <i>Journal of Adhesion Science and Technology</i> , 1994 , 8, 235-248	2	70
23	Thermal, flame and mechanical behaviour of ternary blends of poly(vinyl chloride), poly(ethylene-co-vinyl acetate) and poly(styrene-co-acrylonitrile). <i>Thermochimica Acta</i> , 1994 , 233, 283-295	2.9	12
22	Diffusion and transport of aromatic hydrocarbons through natural rubber. <i>Polymer</i> , 1994 , 35, 5504-5510	3.9	80
21	Binary polymer systems: Interactions in solutions and their relationship to solid state compatibility. <i>European Polymer Journal</i> , 1994 , 30, 1135-1142	5.2	18
20	Miscibility studies of polymer blends by viscometry methods. <i>Journal of Applied Polymer Science</i> , 1994 , 51, 635-641	2.9	31
19	Stress relaxation in short sisal-fiber-reinforced natural rubber composites. <i>Journal of Applied Polymer Science</i> , 1994 , 53, 1051-1060	2.9	85

18	Short sisal fibre reinforced natural rubber composites: high-energy radiation, thermal and ozone degradation. <i>Polymer Degradation and Stability</i> , 1994 , 44, 55-61	4.7	29
17	Influence of short pineapple fiber on the viscoelastic properties of low-density polyethylene. <i>Materials Letters</i> , 1993 , 18, 163-170	3.3	46
16	Dynamic Mechanical Properties of Short Sisal Fiber Reinforced Low Density Polyethylene Composites. <i>Journal of Reinforced Plastics and Composites</i> , 1993 , 12, 139-155	2.9	89
15	Tensile properties of short sisal fiber-reinforced polyethylene composites. <i>Journal of Applied Polymer Science</i> , 1993 , 47, 1731-1739	2.9	157
14	Melt rheology and elasticity of natural rubber-ethylene-vinyl acetate copolymer blends. <i>Journal of Applied Polymer Science</i> , 1993 , 49, 901-912	2.9	31
13	Thermal behaviour of polymer blends: a comparison of the thermal properties of miscible and immiscible systems. <i>Polymer Degradation and Stability</i> , 1993 , 41, 59-64	4.7	81
12	Studies on the effect of blend ratio and crosslinking system on thermal, X-ray and dynamic mechanical properties of blends of natural rubber and ethylene-vinyl acetate copolymer. <i>Polymer</i> , 1993 , 34, 3428-3436	3.9	50
11	Interfacial activity of natural rubber-g-poly(methyl methacrylate) in incompatible natural rubber/poly(methyl methacrylate) blends. <i>Polymer Bulletin</i> , 1993 , 31, 623-628	2.4	19
10	Viscoelastic properties of short-sisal-fiber-filled low-density polyethylene composites: effect of fiber length and orientation. <i>Materials Letters</i> , 1992 , 15, 224-228	3.3	37
9	Studies on the effect of blend ratio and cure system on the degradation of natural rubber-ethylene-vinyl acetate rubber blends. <i>Polymer Degradation and Stability</i> , 1992 , 36, 137-147	4.7	44
8	Compatibilizing effect of block copolymers in heterogeneous polystyrene/poly(methyl methacrylate) blends. <i>Polymer</i> , 1992 , 33, 4260-4268	3.9	91
7	Dynamic mechanical properties of thermoplastic elastomers from blends of polypropylene with copolymers of ethylene with vinyl acetate. <i>European Polymer Journal</i> , 1992 , 28, 1451-1458	5.2	74
6	Review on Solvent Extraction Methods of Lignin from Oil Palm Empty Fruit Bunches (OPEFB). <i>Journal of Natural Fibers</i> , 1-17	1.8	1
5	The effect of adding carbon black to natural rubber/butadiene rubber blends on curing, morphological, and mechanical characteristics. <i>Journal of Applied Polymer Science</i> , 51967	2.9	2
4	Solvent-based polychloroprene contact adhesives: effect of tackifier. <i>Journal of Adhesion Science and Technology</i> , 1-14	2	0
3	A critical review on multifunctional smart materials - nanographene - emerging avenue: nano-imaging and biosensor applications. <i>Critical Reviews in Solid State and Materials Sciences</i> , 1-17	10.1	17
2	Hybrid materials for electromagnetic shielding: A review. <i>Polymer Composites</i> ,	3	1
1	Time-of-flight secondary ion mass spectrometric analysis of polymer surfaces: A review. <i>Journal of Applied Polymer Science</i> , 52286	2.9	3

