

# Narayan Ch Das

## List of Publications by Year in descending order

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Version: 2024-02-01

159  
papers

8,210  
citations

27035

58  
h-index

66518

82  
g-index

162  
all docs

162  
docs citations

162  
times ranked

7540  
citing authors

#	ARTICLE	IF	CITATIONS
1	Silane functionalization of sodium montmorillonite and halloysite (HNT) nanoclays by $\gamma$ -grafting to $\text{TiO}_2$ method to improve physico-mechanical and barrier properties of LLDPE/clay nanocomposites. <i>Polymer Bulletin</i> , 2023, 80, 4307-4335.	1.7	13
2	Graphene as a reinforcement in thermoset resins. , 2022, , 317-341.		0
3	Electrical and electronic applications of polymer-graphene composites. , 2022, , 343-377.		4
4	Advances on catalytic reduction of 4-nitrophenol by nanostructured materials as benchmark reaction. <i>International Nano Letters</i> , 2022, 12, 223-242.	2.3	46
5	Acoustic Green Synthesis of Graphene-Gallium Nanoparticles and PEDOT:PSS Hybrid Coating for Textile To Mitigate Electromagnetic Radiation Pollution. <i>ACS Applied Nano Materials</i> , 2022, 5, 1644-1655.	2.4	61
6	A journey of thermoplastic elastomer nanocomposites for electromagnetic shielding applications: from bench to transitional research. <i>Materials Advances</i> , 2022, 3, 2670-2691.	2.6	25
7	Mussel-Inspired Polynorepinephrine/MXene-Based Magnetic Nanohybrid for Electromagnetic Interference Shielding in X-Band and Strain-Sensing Performance. <i>Langmuir</i> , 2022, 38, 3936-3950.	1.6	65
8	Superior $\langle \text{scp} \rangle$ EMI $\langle \text{scp} \rangle$ shielding effectiveness with enhanced electrical conductivity at low percolation threshold of flexible novel ethylene methyl acrylate/single-walled carbon nanotube nanocomposites. <i>Polymer Engineering and Science</i> , 2022, 62, 2047-2060.	1.5	5
9	Current scenario and recent advancement of doped carbon dots: a short review scientocracy update (2013-2022). <i>Carbon Letters</i> , 2022, 32, 953-977.	3.3	18
10	Superior electromagnetic interference shielding effectiveness of functionalized MWCNTs filled flexible thermoplastic polymer nanocomposites. <i>Journal of Elastomers and Plastics</i> , 2022, 54, 975-999.	0.7	6
11	The growth of organic electrode materials for energy storage applications. , 2022, , 115-144.		1
12	Conjugated polymer-based fibers: synthesis, properties, and applications. , 2022, , 1-38.		1
13	Nanoreinforcement mechanism of organomodified layered silicates in EPDM/CIIR blends: experimental analysis and theoretical perspectives of static mechanical and viscoelastic behavior. <i>Composite Interfaces</i> , 2021, 28, 35-62.	1.3	9
14	Porous Graphene-based Membranes: Preparation and Properties of a Unique Two-dimensional Nanomaterial Membrane for Water Purification. <i>Separation and Purification Reviews</i> , 2021, 50, 262-282.	2.8	29
15	Physico-mechanical, rheological and gas barrier properties of organoclay and inorganic phyllosilicate reinforced thermoplastic films. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49735.	1.3	21
16	Acoustic cavitation assisted synthesis and characterization of photoluminescent carbon quantum dots for biological applications and their future prospective. <i>Nano Structures Nano Objects</i> , 2021, 25, 100641.	1.9	41
17	An environment friendly free-standing cellulose membrane derived for catalytic reduction of 4-nitrophenol: A sustainable approach. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104596.	3.3	36
18	Copper Nanoparticle-Graphene Composite-Based Transparent Surface Coating with Antiviral Activity against Influenza Virus. <i>ACS Applied Nano Materials</i> , 2021, 4, 352-362.	2.4	65

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19	Biobased Thermoplastic Elastomer Based on an SMS Triblock Copolymer Prepared via RAFT Polymerization in Aqueous Medium. <i>Macromolecules</i> , 2021, 54, 1478-1488.	2.2	27
20	Facile preparation of lightweight biodegradable and electrically conductive polymer based nanocomposites for superior electromagnetic interference shielding effectiveness. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50514.	1.3	41
21	Green Synthesis of Multifunctional Carbon Dots with Antibacterial Activities. <i>Nanomaterials</i> , 2021, 11, 369.	1.9	69
22	Phase transitioned lysozyme particles and MoS <sub>2</sub> nanosheets modified elastomer-like antibacterial and antifouling microfiltration membrane derived from poly(ethylene-co-methyl acrylate)/poly(vinylidene fluoride). <i>Materials</i> , 2021, 316, 110945.	2.2	14
23	Immobilization of Heteroatom-Doped Carbon Dots onto Nonpolar Plastics for Antifogging, Antioxidant, and Food Monitoring Applications. <i>Langmuir</i> , 2021, 37, 3508-3520.	1.6	78
24	Biocompatible N-doped carbon dots for the eradication of methicillin-resistant <i>S. aureus</i> (MRSA) and sensitive analysis for europium (III). <i>Nano Structures Nano Objects</i> , 2021, 26, 100724.	1.9	10
25	Efficient synthesis of catalytic active silver nanoparticles illuminated cerium oxide nanotube: A mussel inspired approach. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 15, 100411.	1.7	14
26	One-pot facile synthesis and electrochemical evaluation of selenium enriched cobalt selenide nanotube for supercapacitor application. <i>Ceramics International</i> , 2021, 47, 15293-15306.	2.3	41
27	Carbon-Dots-Initiated Photopolymerization: An In Situ Synthetic Approach for MXene/Poly(norepinephrine)/Copper Hybrid and its Application for Mitigating Water Pollution. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 31038-31050.	4.0	73
28	Silver Nanodot Decorated Dendritic Copper Foam As a Hydrophobic and Mechano-Chemo Bactericidal Surface. <i>Langmuir</i> , 2021, 37, 9356-9370.	1.6	20
29	Selective distribution of conductive carbonaceous inclusion in thermoplastic elastomer: A wet chemical approach of promoting dual percolation and inhibiting radiation pollution in X-band. <i>Composites Science and Technology</i> , 2021, 210, 108800.	3.8	40
30	Tailor made magnetic nanolights: fabrication to cancer theranostics applications. <i>Nanoscale Advances</i> , 2021, 3, 6762-6796.	2.2	57
31	Microbial inhibition and biosensing with multifunctional carbon dots: Progress and perspectives. <i>Biotechnology Advances</i> , 2021, 53, 107843.	6.0	24
32	Photopolymerized Thin Coating of Polypyrrole/Graphene Nanofiber/Iron Oxide onto Nonpolar Plastic for Flexible Electromagnetic Radiation Shielding, Strain Sensing, and Contact Heating Applications. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101255.	1.9	53
33	EMI Shielding Studies of Carbon Nanotube-Polymer Composites. , 2021, , 1-26.		0
34	Acoustic cavitation assisted de-stratified clay tactoid reinforced in situ elastomer-mimetic semi-IPN hydrogel for catalytic and bactericidal application. <i>Ultrasonics Sonochemistry</i> , 2020, 60, 104797.	3.8	49
35	Poly(N-vinylpyrrolidone)-stabilized colloidal graphene-reinforced poly(ethylene-co-methyl acrylate) to mitigate electromagnetic radiation pollution. <i>Polymer Bulletin</i> , 2020, 77, 2923-2943.	1.7	90
36	Characterization tools and techniques of hydrogels. , 2020, , 481-517.		13

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37	Gradient crystallinity and its influence on the poly(vinylidene fluoride)/poly(methyl methacrylate) membrane derived by immersion precipitation method. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48677.	1.3	9
38	Influence of synthetic graphite powder on tribological and thermo-mechanical properties of organic-inorganic hybrid fiber reinforced elastomer-modified phenolic resin friction composites. <i>Composites Part C: Open Access</i> , 2020, 2, 100018.	1.5	8
39	Electrical conductivity and electromagnetic interference shielding effectiveness of nanostructured carbon assisted poly(methyl methacrylate) nanocomposites. <i>Polymer Engineering and Science</i> , 2020, 60, 2414-2427.	1.5	22
40	Enhancement of tribological and thermo-mechanical properties of phenolic resin friction composites by improving interactions between elastomeric phase and matrix resin. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	4
41	An assessment of a very severe cyclonic storm in the Arabian sea using the COSMO model. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	2
42	Converting Polymer Trash into Treasure: An Approach to Prepare MoS <sub>2</sub> Nanosheets Decorated PVDF Sponge for Oil/Water Separation and Antibacterial Applications. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 20141-20154.	1.8	13
43	Carbon Dot Cross-Linked Gelatin Nanocomposite Hydrogel for pH-Sensing and pH-Responsive Drug Delivery. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 5662-5674.	2.6	62
44	Carbon Dots for Heavy-Metal Sensing, pH-Sensitive Cargo Delivery, and Antibacterial Applications. <i>ACS Applied Nano Materials</i> , 2020, 3, 11777-11790.	2.4	113
45	Microwave-Synthesized Polysaccharide-Derived Carbon Dots as Therapeutic Cargoes and Toughening Agents for Elastomeric Gels. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 51940-51951.	4.0	90
46	Applications of N-Doped Carbon Dots as Antimicrobial Agents, Antibiotic Carriers, and Selective Fluorescent Probes for Nitro Explosives. <i>ACS Applied Bio Materials</i> , 2020, 3, 8023-8031.	2.3	86
47	Nano to microblend formation in poly(ethylene-co-methyl acrylate)/ poly(vinylidene fluoride) blend and investigation of its anomalies in rheological properties. <i>Nano Structures Nano Objects</i> , 2020, 23, 100487.	1.9	12
48	One-Dimensional NiSe <sub>4</sub> Se Hollow Nanotubular Architecture as a Binder-Free Cathode with Enhanced Redox Reactions for High-Performance Hybrid Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 29302-29315.	4.0	22
49	Mussel-inspired Ag/poly(norepinephrine)/MnO <sub>2</sub> heterogeneous nanocatalyst for efficient reduction of 4-nitrophenol and 4-nitroaniline: an alternative approach. <i>Research on Chemical Intermediates</i> , 2020, 46, 3629-3650.	1.3	33
50	A Multifunctional Smart Textile Derived from Merino Wool/Nylon Polymer Nanocomposites as Next Generation Microwave Absorber and Soft Touch Sensor. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 17988-18001.	4.0	80
51	Micro-computed tomography enhanced cross-linked carboxylated acrylonitrile butadiene rubber with the decoration of new generation conductive carbon black for high strain tolerant electromagnetic wave absorber. <i>Materials Today Communications</i> , 2020, 24, 100989.	0.9	29
52	Combination effect of carbon nanofiber and ketjen carbon black hybrid nanofillers on mechanical, electrical, and electromagnetic interference shielding properties of chlorinated polyethylene nanocomposites. <i>Composites Part B: Engineering</i> , 2020, 197, 108071.	5.9	51
53	Selective cross-linking of carboxylated acrylonitrile butadiene rubber and study of their technological compatibility with poly(ethylene-co-methyl acrylate) by means of mechanical, thermal, and chemical analysis. <i>Polymer Bulletin</i> , 2019, 76, 1877-1897.	1.7	10
54	A unique Microfiltration membrane derived from the poly(ethylene-co-methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (acrylate)/Poly antifouling application. <i>Polymer Testing</i> , 2019, 79, 106031.	2.3	22

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55	Heteroatom doped blue luminescent carbon dots as a nano-probe for targeted cell labeling and anticancer drug delivery vehicle. <i>Materials Chemistry and Physics</i> , 2019, 237, 121860.	2.0	79
56	Converting waste <i>Allium sativum</i> peel to nitrogen and sulphur co-doped photoluminescence carbon dots for solar conversion, cell labeling, and photobleaching diligences: A path from discarded waste to value-added products. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 197, 111545.	1.7	65
57	Cardanol Functionalized Carboxylated Acrylonitrile Butadiene Rubber for Better Processability, Technical Properties and Biocompatibility. <i>Journal of Polymers and the Environment</i> , 2019, 27, 1878-1896.	2.4	8
58	Microwave assisted green synthesis of Zwitterionic photoluminescent N-doped carbon dots: An efficient "on-off"™ chemosensor for tracer Cr(+6) considering the inner filter effect and nano drug-delivery vector. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 579, 123604.	2.3	58
59	3D Enhanced, High Performing, Superhydrophobic and Electromagnetic Interference Shielding Fabrics Based on Silver Paint and Their Use in Antibacterial Applications. <i>ChemistrySelect</i> , 2019, 4, 11748-11754.	0.7	45
60	In-situ synthesis of magnetic nanoparticle immobilized heterogeneous catalyst through mussel mimetic approach for the efficient removal of water pollutants. <i>Colloids and Interface Science Communications</i> , 2019, 33, 100218.	2.0	52
61	Prediction of electrical conductivity, double percolation limit and electromagnetic interference shielding effectiveness of copper nanowire filled flexible polymer blend nanocomposites. <i>Composites Part B: Engineering</i> , 2019, 164, 559-569.	5.9	89
62	Fabrication of Reduced Graphene Oxide/Silver Nanoparticles Decorated Conductive Cotton Fabric for High Performing Electromagnetic Interference Shielding and Antibacterial Application. <i>Fibers and Polymers</i> , 2019, 20, 1161-1171.	1.1	140
63	Fabrication and investigation of 3D tuned PEG/PEDOT: PSS treated conductive and durable cotton fabric for superior electrical conductivity and flexible electromagnetic interference shielding. <i>Composites Science and Technology</i> , 2019, 181, 107682.	3.8	97
64	A comparative study of physico-mechanical and electrical properties of polymer-carbon nanofiber in wet and melt mixing methods. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2019, 245, 95-106.	1.7	33
65	Advancement in science and technology of carbon dot-polymer hybrid composites: a review. <i>Functional Composites and Structures</i> , 2019, 1, 022001.	1.6	99
66	Isolation and mass spectrometry based hydroxyproline mapping of type II collagen derived from <i>Capra hircus</i> ear cartilage. <i>Communications Biology</i> , 2019, 2, 146.	2.0	13
67	Performance evaluation of COSMO numerical weather prediction model in prediction of OCKHI: one of the rarest very severe cyclonic storms over the Arabian Sea—a case study. <i>Natural Hazards</i> , 2019, 96, 431-459.	1.6	14
68	Surface quaternized nanosensor as a one-arrow-two-hawks approach for fluorescence turn "on-off"•bifunctional sensing and antibacterial activity. <i>New Journal of Chemistry</i> , 2019, 43, 6205-6219.	1.4	66
69	PHYSICO-MECHANICAL AND DYNAMIC MECHANICAL PROPERTIES OF META-PENTADECENYL PHENOL FUNCTIONALIZED ACRYLONITRILE•BUTADIENE RUBBER NANOCCLAY COMPOSITES. <i>Rubber Chemistry and Technology</i> , 2019, 92, 496-512.	0.6	4
70	Synergistic effect of double percolated co-supportive MWCNT•CB conductive network for high performance EMI shielding application. <i>Polymers for Advanced Technologies</i> , 2019, 30, 1506-1517.	1.6	54
71	Graphene based emergent nanolights: a short review on the synthesis, properties and application. <i>Research on Chemical Intermediates</i> , 2019, 45, 3823-3853.	1.3	94
72	Temperature Dependent Study of Catalytic Ag Nanoparticles Entrapped Resin Nanocomposite towards Reduction of 4-Nitrophenol. <i>ChemistrySelect</i> , 2019, 4, 3665-3671.	0.7	32

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73	Biocompatible carbon dots derived from $\lambda$ -carrageenan and phenyl boronic acid for dual modality sensing platform of sugar and its anti-diabetic drug release behavior. <i>International Journal of Biological Macromolecules</i> , 2019, 132, 316-329.	3.6	65
74	Electrodeposited Cu <sub>2</sub> O Nanopetal Architecture as a Superhydrophobic and Antibacterial Surface. <i>Langmuir</i> , 2019, 35, 17166-17176.	1.6	45
75	Investigation of electrical conductivity and electromagnetic interference shielding effectiveness of preferentially distributed conductive filler in highly flexible polymer blends nanocomposites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 118, 75-89.	3.8	109
76	An Insight Into the Physico-Mechanical Signatures of Silylated Graphene Oxide in Poly(ethylene methyl) Tj ETQq0 0,0rgBT /Overlock 10	1.0	35
77	Preparation, development, outcomes, and application versatility of carbon fiber-based polymer composites: a review. <i>Advanced Composites and Hybrid Materials</i> , 2019, 2, 214-233.	9.9	189
78	Preparation and characterization of a unique low-cost microfiltration membrane from a technologically compatible poly(ethylene-co-methyl acrylate)/poly(vinylidene fluoride) blend for water filtration application. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47218.	1.3	5
79	Synthesis of hydroxyapatite nanorods and its use as a nanoreinforcement block for ethylene methacrylate copolymer matrix. <i>Polymer Bulletin</i> , 2019, 76, 3621-3642.	1.7	18
80	Chemical modification of nitrile rubber in the latex stage by functionalizing phosphorylated cardanol prepolymer: A bio-based plasticizer and a renewable resource. <i>Journal of Elastomers and Plastics</i> , 2019, 51, 99-129.	0.7	17
81	Superior electromagnetic interference shielding effectiveness and low percolation threshold through the preferential distribution of carbon black in the highly flexible polymer blend composites. <i>Polymer Composites</i> , 2019, 40, 1404-1418.	2.3	67
82	Rheological Properties of Polymer- $\epsilon$ -Carbon Composites. <i>Springer Series on Polymer and Composite Materials</i> , 2019, , 271-294.	0.5	7
83	Application of DSC to Polymeric Systems. , 2019, , 153-173.		0
84	Design of psyllium-g-poly(acrylic acid-co-sodium acrylate)/cloisite 10A semi-IPN nanocomposite hydrogel and its mechanical, rheological and controlled drug release behaviour. <i>International Journal of Biological Macromolecules</i> , 2018, 111, 983-998.	3.6	53
85	Waste chimney oil to nanolights: A low cost chemosensor for tracer metal detection in practical field and its polymer composite for multidimensional activity. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 180, 56-67.	1.7	72
86	Mussel inspired green synthesis of silver nanoparticles-decorated halloysite nanotube using dopamine: characterization and evaluation of its catalytic activity. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 173-186.	1.6	61
87	Thermal-air ageing treatment on mechanical, electrical, and electromagnetic interference shielding properties of lightweight carbon nanotube based polymer nanocomposites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 107, 447-460.	3.8	95
88	Recent Advances in Preparation of Porous Polymeric Membranes by Unique Techniques and Mitigation of Fouling through Surface Modification. <i>ChemistrySelect</i> , 2018, 3, 609-633.	0.7	49
89	Studies on Interfacial Characteristics of Highly Dispersible Silica Reinforced Epoxidized Natural Rubber Compounds. <i>Polymer-Plastics Technology and Engineering</i> , 2018, 57, 1452-1462.	1.9	5
90	Ultra-light weight, water durable and flexible highly electrical conductive polyurethane foam for superior electromagnetic interference shielding materials. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 10177-10189.	1.1	86



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91	Zinc and nitrogen ornamented bluish white luminescent carbon dots for engrossing bacteriostatic activity and Fenton based bio-sensor. <i>Materials Science and Engineering C</i> , 2018, 88, 115-129.	3.8	76
92	Heteroatom doped photoluminescent carbon dots for sensitive detection of acetone in human fluids. <i>Sensors and Actuators B: Chemical</i> , 2018, 266, 583-593.	4.0	99
93	An approach to prepare mechanically robust full IPN strengthened conductive cotton fabric for high strain tolerant electromagnetic interference shielding. <i>Chemical Engineering Journal</i> , 2018, 344, 138-154.	6.6	151
94	Mechanically robust conductive carbon clusters confined ethylene methyl acrylate based flexible composites for superior shielding effectiveness. <i>Polymers for Advanced Technologies</i> , 2018, 29, 95-110.	1.6	60
95	Superior electromagnetic interference shielding effectiveness and electro-mechanical properties of EMA-IRGO nanocomposites through the in-situ reduction of GO from melt blended EMA-GO composites. <i>Composites Part B: Engineering</i> , 2018, 134, 46-60.	5.9	86
96	A facile green synthesis of silver nanoparticle-decorated hydroxyapatite for efficient catalytic activity towards 4-nitrophenol reduction. <i>Research on Chemical Intermediates</i> , 2018, 44, 1189-1208.	1.3	51
97	Preparation and Properties of Halloysite Nanotubes/Poly(ethylene methyl acrylate)-Based Nanocomposites by Variation of Mixing Methods. <i>Polymer-Plastics Technology and Engineering</i> , 2018, 57, 997-1014.	1.9	37
98	Mechanically robust dual responsive water dispersible-graphene based conductive elastomeric hydrogel for tunable pulsatile drug release. <i>Ultrasonics Sonochemistry</i> , 2018, 42, 212-227.	3.8	77
99	INFLUENCE OF DIFFERENT SPECIFIC SURFACE AREA OF HIGHLY DISPERSIBLE SILICA AND INTERFACIAL CHARACTERISTICS OF GREEN ELASTOMER COMPOSITES. <i>Rubber Chemistry and Technology</i> , 2018, 91, 548-560.	0.6	4
100	Synthesis of Mussel Inspired Polydopamine Coated Halloysite Nanotubes Based Semi-IPN: An Approach to Fine Tuning in Drug Release and Mechanical Toughening. <i>Macromolecular Symposia</i> , 2018, 382, 1800076.	0.4	17
101	One-Step Synthesis of Fluorescent Carbon Dots for Bio-Labeling Assay. <i>Macromolecular Symposia</i> , 2018, 382, 1800077.	0.4	19
102	A facile green synthesis of silver nanoparticles decorated silica nanocomposites using mussel inspired polydopamine chemistry and assessment its catalytic activity. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 6989-7001.	3.3	38
103	A facile green synthesis of amino acid boosted Ag decorated reduced graphene oxide nanocomposites and its catalytic activity towards 4-nitrophenol reduction. <i>Surfaces and Interfaces</i> , 2018, 13, 79-91.	1.5	53
104	Natural saponin stabilized nano-catalyst as efficient dye-degradation catalyst. <i>Nano Structures Nano Objects</i> , 2018, 16, 86-95.	1.9	64
105	Green Reduced Graphene Oxide Toughened Semi-IPN Monolith Hydrogel as Dual Responsive Drug Release System: Rheological, Physicomechanical, and Electrical Evaluations. <i>Journal of Physical Chemistry B</i> , 2018, 122, 7201-7218.	1.2	85
106	Carbon Nanostructures Based Mechanically Robust Conducting Cotton Fabric for Improved Electromagnetic Interference Shielding. <i>Fibers and Polymers</i> , 2018, 19, 1064-1073.	1.1	69
107	Polymer Nanocomposites for Electromagnetic Interference Shielding: A Review. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 7641-7669.	0.9	155
108	Dual doped biocompatible multicolor luminescent carbon dots for bio labeling, UV-active marker and fluorescent polymer composite. <i>Luminescence</i> , 2018, 33, 1136-1145.	1.5	55

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109	Investigations on behavioral characteristics of asphalt binder with crumb rubber modification: Rheological and thermo-chemical approach. <i>Construction and Building Materials</i> , 2018, 181, 455-464.	3.2	38
110	Polysaccharide and poly(methacrylic acid) based biodegradable elastomeric biocompatible semi-IPN hydrogel for controlled drug delivery. <i>Materials Science and Engineering C</i> , 2018, 92, 34-51.	3.8	69
111	Starch functionalized biodegradable semi-IPN as a pH-tunable controlled release platform for memantine. <i>International Journal of Biological Macromolecules</i> , 2017, 95, 185-198.	3.6	63
112	Water Uptake Kinetics and Control Release of Agrochemical Fertilizers from Nanoclay-Assisted Semi-interpenetrating Sodium Acrylate-Based Hydrogel. <i>Polymer-Plastics Technology and Engineering</i> , 2017, 56, 744-761.	1.9	41
113	A simplistic approach to green future with eco-friendly luminescent carbon dots and their application to fluorescent nano-sensor "turn-off"™ probe for selective sensing of copper ions. <i>Materials Science and Engineering C</i> , 2017, 75, 1456-1464.	3.8	90
114	On-demand tuned hazard free elastomeric composites: A green approach. <i>Biopolymers</i> , 2017, 107, e23019.	1.2	7
115	Green approach to photoluminescent carbon dots for imaging of gram-negative bacteria <i>Escherichia coli</i> . <i>Nanotechnology</i> , 2017, 28, 195501.	1.3	109
116	Sonochemical green reduction to prepare Ag nanoparticles decorated graphene sheets for catalytic performance and antibacterial application. <i>Ultrasonics Sonochemistry</i> , 2017, 39, 577-588.	3.8	133
117	Strongly blue-luminescent N-doped carbogenic dots as a tracer metal sensing probe in aqueous medium and its potential activity towards in situ Ag-nanoparticle synthesis. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 735-746.	4.0	50
118	Low percolation threshold and electromagnetic shielding effectiveness of nano-structured carbon based ethylene methyl acrylate nanocomposites. <i>Composites Part B: Engineering</i> , 2017, 119, 41-56.	5.9	132
119	Highly conductive and flexible nano-structured carbon-based polymer nanocomposites with improved electromagnetic-interference-shielding performance. <i>Materials Research Express</i> , 2017, 4, 105039.	0.8	62
120	High-performance carbon nanofiber coated cellulose filter paper for electromagnetic interference shielding. <i>Cellulose</i> , 2017, 24, 5117-5131.	2.4	68
121	Effect of thermal-air ageing treatment on mechanical properties and electromagnetic interference shielding effectiveness of low-cost nano-structured carbon filled chlorinated polyethylene. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2017, 225, 140-149.	1.7	60
122	An effective strategy to enhance mechanical, electrical, and electromagnetic shielding effectiveness of chlorinated polyethylene-carbon nanofiber nanocomposites. <i>Composites Part B: Engineering</i> , 2017, 109, 155-169.	5.9	123
123	FUNCTIONALIZATION OF ACRYLONITRILE BUTADIENE RUBBER WITH META-PENTADECENYL PHENOL, A MULTIFUNCTIONAL ADDITIVE AND A RENEWABLE RESOURCE. <i>Rubber Chemistry and Technology</i> , 2017, 90, 683-698.	0.6	15
124	A strategy to achieve enhanced electromagnetic interference shielding at low concentration with a new generation of conductive carbon black in a chlorinated polyethylene elastomeric matrix. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 24591-24599.	1.3	85
125	Synthesis of polydopamine-coated halloysite nanotube-based hydrogel for controlled release of a calcium channel blocker. <i>RSC Advances</i> , 2016, 6, 105350-105362.	1.7	53
126	Synthesis and characterization of graphene oxide filled ethylene methyl acrylate hybrid nanocomposites. <i>RSC Advances</i> , 2016, 6, 20781-20790.	1.7	126



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127	Performance prediction analyses of styrene-butadiene rubber and crumb rubber materials in asphalt road applications. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 3479-3493.	1.3	30
128	Chlorosulphonated Polyethylene and Its Composites for Electronic Applications. <i>Springer Series on Polymer and Composite Materials</i> , 2016, , 229-259.	0.5	10
129	Synthesis of a novel pH responsive phyllosilicate loaded polymeric hydrogel based on poly(acrylic) Tj ETQq1 1 0.784314 rgBT /Overloc for the sustained release of an antibiotic drug. <i>RSC Advances</i> , 2015, 5, 18312-18327.	1.7	62
130	A comparison on self-seeding and isothermal crystallization of polyethylene in solution using small angle neutron scattering. <i>Polymer</i> , 2015, 61, 192-197.	1.8	11
131	Phase behaviour and separation kinetics of polymer blends. <i>Journal of Microscopy</i> , 2014, 253, 198-203.	0.8	10
132	Contribution of organomodified clay on hybrid microstructures and properties of epoxidized natural rubber-based nanocomposites. <i>Polymer Engineering and Science</i> , 2013, 53, 923-930.	1.5	4
133	Shape and Size of Highly Concentrated Micelles in CTAB/NaSal Solutions by Small Angle Neutron Scattering (SANS). <i>Langmuir</i> , 2012, 28, 11962-11968.	1.6	83
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