

# CITATION REPORT

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## Structured Reduced Graphene Oxide/Polymer Composites for Ultra-Efficient Electromagnetic Interference Shielding

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#	Paper	IF	Citations
910	Carbon nanohorn and graphene nanoplate based polystyrene nanocomposites for superior electromagnetic interference shielding applications. <b>2015</b> , 132, n/a-n/a		23
909	Ultrathin graphene: electrical properties and highly efficient electromagnetic interference shielding. <b>2015</b> , 3, 6589-6599		457
908	Facile, green and affordable strategy for structuring natural graphite/polymer composite with efficient electromagnetic interference shielding. <b>2015</b> , 5, 22587-22592		42
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732	Superflexible Interconnected Graphene Network Nanocomposites for High-Performance Electromagnetic Interference Shielding. <b>2018</b> , 3, 3599-3607	31

731	Synergistic effect of graphene and carbon nanotube for high-performance electromagnetic interference shielding films. <b>2018</b> , 133, 316-322	120
730	Fabrication of pristine graphene-based conductive polystyrene composites towards high performance and light-weight. <b>2018</b> , 159, 232-239	28
729	Segregated polypropylene/cross-linked poly(ethylene-co-1-octene)/multi-walled carbon nanotube nanocomposites with low percolation threshold and dominated negative temperature coefficient effect: Towards electromagnetic interference shielding and thermistors. <b>2018</b> , 159, 152-161	67
728	Highly Efficient and Reliable Transparent Electromagnetic Interference Shielding Film. <b>2018</b> , 10, 11941-11949	189
727	Fabrication of a flexible electromagnetic interference shielding Fe <sub>3</sub> O <sub>4</sub> @reduced graphene oxide/natural rubber composite with segregated network. <b>2018</b> , 344, 184-193	182
726	Flexible design of gradient multilayer nanofilms coated on carbon nanofibers by atomic layer deposition for enhanced microwave absorption performance. <b>2018</b> , 11, 530-541	59
725	3D graphene-Ni microspheres with excellent microwave absorption and corrosion resistance properties. <b>2018</b> , 29, 2421-2433	29
724	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. <b>2018</b> , 134, 46-60	60
723	Application of yolk-shell Fe <sub>3</sub> O <sub>4</sub> @N-doped carbon nanochains as highly effective microwave-absorption material. <b>2018</b> , 11, 1500-1519	216
722	Highly stretchable conductive thermoplastic vulcanizate/carbon nanotube nanocomposites with segregated structure, low percolation threshold and improved cyclic electromechanical performance. <b>2018</b> , 6, 350-359	39
721	Laminated graphene oxide-supported high-efficiency microwave absorber fabricated by an in situ growth approach. <b>2018</b> , 129, 310-320	113
720	Chemical Foaming Coupled Self-Etching: A Multiscale Processing Strategy for Ultrahigh-Surface-Area Carbon Aerogels. <b>2018</b> , 10, 2819-2827	5
719	Facile and economical fabrication of conductive polyamide 6 composites with segregated expanded graphite networks for efficient electromagnetic interference shielding. <b>2018</b> , 29, 1058-1064	13
718	Synergism between carbon materials and Ni chains in flexible poly(vinylidene fluoride) composite films with high heat dissipation to improve electromagnetic shielding properties. <b>2018</b> , 127, 469-478	124
717	Electromagnetic shielding effectiveness of a thin silver layer deposited onto PET film via atmospheric pressure plasma reduction. <b>2018</b> , 435, 7-15	41
716	Segregated conductive polymer composite with synergistically electrical and mechanical properties. <b>2018</b> , 105, 68-77	42
715	Nanocarbon/polyethylene composites with segregated conductive network for electromagnetic interference shielding. <b>2018</b> , 672, 186-198	13
714	Boron carbide composites with highly aligned graphene nanoplatelets: light-weight and efficient electromagnetic interference shielding materials at high temperatures.. <b>2018</b> , 8, 39314-39320	7

713	High-performance thermal and electrical conductive composites from multilayer plastic packaging waste and expanded graphite. <b>2018</b> , 6, 11209-11218	43
712	Thermal conversion of wheat-like metal organic frameworks to achieve MgO/carbon composites with tunable morphology and microwave response. <b>2018</b> , 6, 11659-11665	14
711	Self-Assembled Sandwich-like MXene-Derived Nanocomposites for Enhanced Electromagnetic Wave Absorption. <b>2018</b> , 10, 42925-42932	100
710	Exploring the feasibility of development of nanomaterial-based microwave absorbers. <b>2018</b> , 8, 241-254	5
709	Ultra-Stiff Graphene Foams as Three-Dimensional Conductive Fillers for Epoxy Resin. <b>2018</b> , 12, 11219-11228	26
708	Scientific worth of polymer and graphene foam-based nanomaterials. <b>2018</b> , 6, 779-800	4
707	Nanocomposites Based EMI Shielding Materials. <b>2018</b> , 263-288	
706	Advanced Carbon Based Foam Materials for EMI Shielding. <b>2018</b> , 305-325	
705	Polymer-Based EMI Shielding Materials. <b>2018</b> , 177-217	1
704	Electrical Characterization of Shielding Materials. <b>2018</b> , 89-108	0
703	Ultrathin Biomimetic Polymeric TiCT MXene Composite Films for Electromagnetic Interference Shielding. <b>2018</b> , 10, 44787-44795	168
702	Flexible Poly(vinyl alcohol)/Reduced Graphene Oxide Coated Carbon Composites for Electromagnetic Interference Shielding. <b>2018</b> , 1, 5854-5864	24
701	Separated poly(vinylidene fluoride)/carbon black composites containing magnetic carbonyl iron particles for efficient electromagnetic interference shielding. <b>2018</b> , 5, 125304	9
700	High Electromagnetic Interference Shielding Effectiveness of Carbon NanotubeCellulose Composite Films with Layered Structures. <b>2018</b> , 303, 1800377	24
699	Controllable N-Doped Carbonaceous Composites with Highly Dispersed Ni Nanoparticles for Excellent Microwave Absorption. <b>2018</b> , 1, 5895-5906	29
698	Multifunctional, Polyurethane-Based Foam Composites Reinforced by a Fabric Structure: Preparation, Mechanical, Acoustic, and EMI Shielding Properties. <b>2018</b> , 11,	20
697	Ultralight Cellulose Porous Composites with Manipulated Porous Structure and Carbon Nanotube Distribution for Promising Electromagnetic Interference Shielding. <b>2018</b> , 10, 40156-40167	73
696	Carbon Composite Networks with Ultrathin Skin Layers of Graphene Film for Exceptional Electromagnetic Interference Shielding. <b>2018</b> , 10, 38255-38263	49

695	Synthesis of chain-like $\gamma$ -Fe/Fe <sub>3</sub> O <sub>4</sub> core/shell composites exhibiting enhanced microwave absorption performance in high-frequency under an ultrathin matching thickness. <b>2018</b> , 29, 21040-21050	13
694	In-situ Chemical Synthesis of Polypyrrole/Silver Nanocomposite for the Use as a Room Temperature Ammonia Gas Sensor. <b>2018</b> , 19, 2188-2194	11
693	Quick Heat Dissipation in Absorption-Dominated Microwave Shielding Properties of Flexible Poly(vinylidene fluoride)/Carbon Nanotube/Co Composite Films with Anisotropy-Shaped Co (Flowers or Chains). <b>2018</b> , 10, 40789-40799	65
692	Highly Electrically Conductive Three-Dimensional TiCT MXene/Reduced Graphene Oxide Hybrid Aerogels with Excellent Electromagnetic Interference Shielding Performances. <b>2018</b> , 12, 11193-11202	409
691	Large-scale preparation of segregated PLA/carbon nanotube composite with high efficient electromagnetic interference shielding and favourable mechanical properties. <b>2018</b> , 155, 405-413	75
690	Hydrated aramid nanofiber network enhanced flexible expanded graphite films towards high EMI shielding and thermal properties. <b>2018</b> , 168, 28-37	28
689	Nano [email protected] Layer on Porous Carbon Nanofibers with Multiple Interfaces for Microwave Absorption Applications. <b>2018</b> , 1, 5712-5721	30
688	A highly efficient and heat-resistant electromagnetic interference shielding carbon nanotube/poly(phenylene sulfide) composite via sinter molding. <b>2018</b> , 6, 10760-10766	41
687	Theoretical Study of Electromagnetic Interference Shielding of 2D MXenes Films. <b>2018</b> , 8, 652	16
686	Biomass-based honeycomb-like architectures for preparation of robust carbon foams with high electromagnetic interference shielding performance. <b>2018</b> , 140, 227-236	50
685	Injection Molded Segregated Carbon Nanotube/Polypropylene Composite for Efficient Electromagnetic Interference Shielding. <b>2018</b> , 57, 12378-12385	36
684	Green and facile approach to prepare polypropylene/in situ reduced graphene oxide nanocomposites with excellent electromagnetic interference shielding properties. <b>2018</b> , 8, 30412-30428	27
683	Incorporating a microcellular structure into PVDF/graphene nanoplatelet composites to tune their electrical conductivity and electromagnetic interference shielding properties. <b>2018</b> , 6, 10292-10300	113
682	Significant promotion of porous architecture and magnetic FeO NPs inside honeycomb-like carbonaceous composites for enhanced microwave absorption.. <b>2018</b> , 8, 19011-19023	34
681	Dependences of microstructure on electromagnetic interference shielding properties of nano-layered TiAlC ceramics. <b>2018</b> , 8, 7935	16
680	Enhanced conductive loss in nickel-cobalt sulfide nanostructures for highly efficient microwave absorption and shielding. <b>2018</b> , 51, 235303	4
679	Anticorrosive, Ultralight, and Flexible Carbon-Wrapped Metallic Nanowire Hybrid Sponges for Highly Efficient Electromagnetic Interference Shielding. <b>2018</b> , 14, e1800534	209
678	Improving the Electromagnetic Wave Absorption Properties of the Layered MoS <sub>2</sub> by Cladding with Ni Nanoparticles. <b>2018</b> , 87, 054402	24

677	Gradient Structure Design of Flexible Waterborne Polyurethane Conductive Films for Ultraefficient Electromagnetic Shielding with Low Reflection Characteristic. <b>2018</b> , 10, 19143-19152	125
676	Semi-transparent biomass-derived macroscopic carbon grids for efficient and tunable electromagnetic shielding. <b>2018</b> , 139, 271-278	47
675	Robust carbon nanotube foam for efficient electromagnetic interference shielding and microwave absorption. <b>2018</b> , 530, 113-119	52
674	Study of the absorption coefficient of graphene-polymer composites. <b>2018</b> , 8, 9132	41
673	Integrated strength and toughness in graphene/calcium alginate films for highly efficient electromagnetic interference shielding. <b>2018</b> , 6, 9166-9174	38
672	Two-dimensional materials: Emerging toolkit for construction of ultrathin high-efficiency microwave shield and absorber. <b>2018</b> , 13, 1	33
671	Synergistic effect of carbon nanotube and graphene nanoplates on the mechanical, electrical and electromagnetic interference shielding properties of polymer composites and polymer composite foams. <b>2018</b> , 353, 381-393	162
670	Designed fabrication of reduced graphene oxides/Ni hybrids for effective electromagnetic absorption and shielding. <b>2018</b> , 139, 759-767	208
669	Highly filled biochar/ultra-high molecular weight polyethylene/linear low density polyethylene composites for high-performance electromagnetic interference shielding. <b>2018</b> , 153, 277-284	41
668	Thermomechanical Behavior of Polymer Composites Based on Edge-Selectively Functionalized Graphene Nanosheets. <b>2017</b> , 10,	9
667	Intercalation Polymerization Approach for Preparing Graphene/Polymer Composites. <b>2018</b> , 10,	18
666	Electrical, Mechanical and Electromechanical Properties of Graphene-Thermoset Polymer Composites Produced Using Acetone-DMF Solvents. <b>2018</b> , 10,	7
665	Flexible Polydimethylsilane Nanocomposites Enhanced with a Three-Dimensional Graphene/Carbon Nanotube Bicontinuous Framework for High-Performance Electromagnetic Interference Shielding. <b>2018</b> , 10, 26723-26732	110
664	Three-dimensional graphene-based polymer nanocomposites: preparation, properties and applications. <b>2018</b> , 10, 14788-14811	128
663	Lightweight and highly efficient electromagnetic wave-absorbing of 3D CNTs/GNS@CoFe <sub>2</sub> O <sub>4</sub> ternary composite aerogels. <b>2018</b> , 768, 6-14	68
662	A facile approach to fabricating silver-coated cotton fiber non-woven fabrics for ultrahigh electromagnetic interference shielding. <b>2018</b> , 458, 236-244	111
661	Synergistic effect of flame retardants and carbon nanotubes on flame retarding and electromagnetic shielding properties of thermoplastic polyurethane. <b>2018</b> , 163, 49-55	50
660	Multifunctional melanin-like nanoparticles for bone-targeted chemo-photothermal therapy of malignant bone tumors and osteolysis. <b>2018</b> , 183, 10-19	77



659	Core-Multishell Heterostructure with Excellent Heat Dissipation for Electromagnetic Interference Shielding. <b>2018</b> , 10, 30762-30773	70
658	Highly sensitive and stretchable graphene-silicone rubber composites for strain sensing. <b>2018</b> , 167, 371-378	111
657	Synergistic Effect of Graphite and Carbon Nanotubes on Improved Electromagnetic Interference Shielding Performance in Segregated Composites. <b>2018</b> , 57, 11929-11938	50
656	Hollow Ni-Co layered double hydroxides-derived NiCo-alloy@g-C <sub>3</sub> N <sub>4</sub> microtubule with high-performance microwave absorption. <b>2018</b> , 231, 171-174	34
655	Injection-molded microcellular PLA/graphite nanocomposites with dramatically enhanced mechanical and electrical properties for ultra-efficient EMI shielding applications. <b>2018</b> , 6, 6847-6859	94
654	Flexible and highly conductive sandwich nylon/nickel film for ultra-efficient electromagnetic interference shielding. <b>2018</b> , 455, 856-863	50
653	Thermally Driven Transport and Relaxation Switching Self-Powered Electromagnetic Energy Conversion. <b>2018</b> , 14, e1800987	511
652	3D printed honeycomb spacers: Tailoring sandwich structures for enhanced electromagnetic shielding. <b>2018</b> , 37, 1072-1082	5
651	Flexible PVDF/CNTs/Ni@CNTs composite films possessing excellent electromagnetic interference shielding and mechanical properties under heat treatment. <b>2019</b> , 155, 34-43	58
650	Low percolation 3D Cu and Ag shell network composites for EMI shielding and thermal conduction. <b>2019</b> , 182, 107778	33
649	Evaporation-induced sintering of liquid metal droplets with biological nanofibrils for flexible conductivity and responsive actuation. <b>2019</b> , 10, 3514	78
648	Ground tire rubber composites with hybrid conductive network for efficiency electromagnetic shielding and low reflection. <b>2019</b> , 30, 14669-14678	8
647	Electrical conductivity and electromagnetic interference shielding properties of polymer/carbon composites. <b>2019</b> , 30, 16636-16650	4
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645	Stretched graphene nanosheets formed the obstacle walls in melamine sponge towards effective electromagnetic interference shielding applications. <b>2019</b> , 182, 108029	30
644	Conductive-network enhanced microwave absorption performance from carbon coated defect-rich Fe <sub>2</sub> O <sub>3</sub> anchored on multi-wall carbon nanotubes. <b>2019</b> , 155, 298-308	66
643	Multifunctional primer film made from percolation enhanced CNT/Epoxy nanocomposite and ultrathin CNT network. <b>2019</b> , 175, 107107	7
642	A novel green approach for the preparation of high performance nitrile butadiene rubber-pristine graphene nanocomposites. <b>2019</b> , 175, 107174	11

641	Microwave assisted sinter molding of polyetherimide/carbon nanotubes composites with segregated structure for high-performance EMI shielding applications. <b>2019</b> , 182, 107753	33
640	Super-Compression-Resistant Multiwalled Carbon Nanotube/Nickel-Coated Carbonized Loofah Fiber/Polyether Ether Ketone Composite with Excellent Electromagnetic Shielding Performance. <b>2019</b> , 7, 13970-13980	27
639	Stretchable liquid metal electromagnetic interference shielding coating materials with superior effectiveness. <b>2019</b> , 7, 10331-10337	34
638	Flexible, stretchable and electrically conductive MXene/natural rubber nanocomposite films for efficient electromagnetic interference shielding. <b>2019</b> , 182, 107754	108
637	Retracted Article: The influence of gradient and porous configurations on the microwave absorbing performance of multilayered graphene/thermoplastic polyurethane composite foams.. <b>2019</b> , 9, 21859-21872	4
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635	Electro and Light-Active Actuators Based on Reversible Shape-Memory Polymer Composites with Segregated Conductive Networks. <b>2019</b> , 11, 30332-30340	44
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633	Effect of the planar coil and linear arrangements of continuous carbon fiber tow on the electromagnetic interference shielding effectiveness, with comparison of carbon fibers with and without nickel coating. <b>2019</b> , 152, 898-908	27
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629	Enhancement of electroconductivity and percolation threshold by the morphology of dielectric network in segregated polymer/nanocarbon composites. <b>2019</b> , 6, 095019	1
628	High absorption shielding material of poly(phthalazinone etherketone)/multiwall carbon nanotube composite films with sandwich configurations.. <b>2019</b> , 9, 18758-18766	12
627	Outstanding Absolute Electromagnetic Interference Shielding Effectiveness of Cross-Linked PEDOT:PSS Film. <b>2019</b> , 6, 1901353	23
626	Frequency-selective and tunable electromagnetic shielding effectiveness via the sandwich structure of silicone rubber/graphene composite. <b>2019</b> , 184, 107847	42
625	Facile approach for a robust graphene/silver nanowires aerogel with high-performance electromagnetic interference shielding.. <b>2018</b> , 9, 27-33	20
624	High-Performance Carbonized Waste Corrugated Boards Reinforced with Epoxy Coating as Lightweight Structured Electromagnetic Shields. <b>2019</b> , 7, 18718-18725	24

623	Ultrathin 2D Nanomaterials for Electromagnetic Interference Shielding. <b>2019</b> , 6, 1901454	45
622	In situ synthesis of core-shell nanocomposites based on polyaniline/Ni <sub>2</sub> Zn ferrite and enhanced microwave absorbing properties. <b>2019</b> , 30, 20515-20524	5
621	CdSe/VO core/shell quantum dots decorated reduced graphene oxide nanocomposite for high-performance electromagnetic interference shielding application. <b>2019</b> , 30, 505704	11
620	Self-healing graphene oxide-based composite for electromagnetic interference shielding. <b>2019</b> , 155, 499-505	31
619	Flexible GnPs/EPDM with Excellent Thermal Conductivity and Electromagnetic Interference Shielding Properties. <b>2019</b> , 14, 1950075	5
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611	A scalable strategy for constructing three-dimensional segregated graphene network in polymer via hydrothermal self-assembly. <b>2019</b> , 363, 300-308	27
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609	Facile fabrication of highly conductive and robust three-dimensional graphene/silver nanowires bicontinuous skeletons for electromagnetic interference shielding silicone rubber nanocomposites. <b>2019</b> , 119, 101-110	42
608	A review of metal oxide-related microwave absorbing materials from the dimension and morphology perspective. <b>2019</b> , 30, 10961-10984	57
607	3D Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene/C hybrid foam/epoxy nanocomposites with superior electromagnetic interference shielding performances and robust mechanical properties. <b>2019</b> , 123, 293-300	106
606	Orthogonal pattern of spinnable multiwall carbon nanotubes for electromagnetic interference shielding effectiveness. <b>2019</b> , 152, 33-39	11

605	Exploiting the piezoresistivity and EMI shielding of polyetherimide/carbon nanotube foams by tailoring their porous morphology and segregated CNT networks. <b>2019</b> , 124, 105463	55
604	Recent Advances in Polymer and Polymer Composites for Electromagnetic Interference Shielding: Review and Future Prospects. <b>2019</b> , 59, 687-738	74
603	Highly conductive and stretchable carbon nanotube/thermoplastic polyurethane composite for wearable heater. <b>2019</b> , 181, 107695	53
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601	Activating microwave absorption via noncovalent interactions at the interface based on metal-free graphene nanosheets. <b>2019</b> , 152, 818-826	31
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595	Highly effective shielding of electromagnetic waves in MoS <sub>2</sub> nanosheets synthesized by a hydrothermal method. <b>2019</b> , 134, 77-82	13
594	Carbon materials and their composites for electromagnetic interference shielding effectiveness in X-band. <b>2019</b> , 152, 159-187	177
593	Light-weight and flexible silicone rubber/MWCNTs/Fe <sub>3</sub> O <sub>4</sub> nanocomposite foams for efficient electromagnetic interference shielding and microwave absorption. <b>2019</b> , 181, 107670	98
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591	Electromagnetic shielding effectiveness and electrical conductivity of a thin silver layer deposited onto cellulose film via electroless plating. <b>2019</b> , 30, 12044-12053	5
590	Ultralight and high-elastic carbon foam with hollow framework for dynamically tunable electromagnetic interference shielding at gigahertz frequency. <b>2019</b> , 153, 330-336	32
589	Enhanced microwave absorption and suppressed reflection of polypyrrole-cobalt ferrite-graphene nanocomposite in X-band. <b>2019</b> , 797, 1190-1197	26
588	Simultaneous realization of conductive segregation network microstructure and minimal surface porous macrostructure by SLS 3D printing. <b>2019</b> , 178, 107874	37

587	Achieving high electrical conductivity and excellent electromagnetic interference shielding in poly(lactic acid)/silver nanocomposites by constructing large-area silver nanoplates in polymer matrix. <b>2019</b> , 171, 204-213	54
586	Lightweight reduced graphene oxide-ZnO nanocomposite for enhanced dielectric loss and excellent electromagnetic interference shielding. <b>2019</b> , 172, 234-242	32
585	Stretchable elastomer composites with segregated filler networks: effect of carbon nanofiller dimensionality. <b>2019</b> , 1, 2337-2347	22
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579	Highly filled multilayer thermoplastic/graphene conducting composite structures with high strength and thermal stability for electromagnetic interference shielding applications. <b>2019</b> , 136, 47792	21
578	Carbon Nanotubes and Their Assemblies: Applications in Electromagnetic Interference Shielding. <b>2019</b> , 335-357	2
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575	Fabrication on the annealed Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene/Epoxy nanocomposites for electromagnetic interference shielding application. <b>2019</b> , 171, 111-118	201
574	Percolating conductive networks in multiwall carbon nanotube-filled polymeric nanocomposites: towards scalable high-conductivity applications of disordered systems. <b>2019</b> , 11, 8565-8578	11
573	Surface Texturing and Enhanced Microwave Absorption of FeB Alloy Flakes Through a Dealloying Process. <b>2019</b> , 55, 1-5	1
572	An Ingenious Strategy to Construct Helical Structure with Excellent Electromagnetic Shielding Performance. <b>2019</b> , 6, 1900375	28
571	Anisotropic MXene Aerogels with a Mechanically Tunable Ratio of Electromagnetic Wave Reflection to Absorption. <b>2019</b> , 7, 1900267	138
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569	Highly Transparent and Broadband Electromagnetic Interference Shielding Based on Ultrathin Doped Ag and Conducting Oxides Hybrid Film Structures. <b>2019</b> , 11, 11782-11791	45
568	Elastomer Composites with a Tailored Interface Network toward Tunable Piezoresistivity: Effect of Elastomer Particle Size. <b>2019</b> , 1, 714-721	18
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566	Graphene-coated microballs for a hyper-sensitive vacuum sensor. <b>2019</b> , 9, 4910	5
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564	Mxenes Derived Laminated and Magnetic Composites with Excellent Microwave Absorbing Performance. <b>2019</b> , 9, 3957	32
563	Effect of carbon nanotube morphology on properties in thermoplastic elastomer composites for strain sensors. <b>2019</b> , 121, 207-212	48
562	Room-temperature production of silver-nanofiber film for large-area, transparent and flexible surface electromagnetic interference shielding. <b>2019</b> , 3,	107
561	Robust and smooth UV-curable layer overcoated AgNW flexible transparent conductor for EMI shielding and film heater. <b>2019</b> , 483, 888-894	34
560	High conductive and mechanical robust carbon nanotubes/waterborne polyurethane composite films for efficient electromagnetic interference shielding. <b>2019</b> , 121, 411-417	61
559	Composite properties of graphene-based materials/natural rubber vulcanized using electron beam irradiation. <b>2019</b> , 19, 413-424	17
558	Electromagnetic shielding property of carbon fiber felt made of different types of short-chopped carbon fibers. <b>2019</b> , 121, 289-298	25
557	Bio-molecule adenine building block effectively enhances electromagnetic interference shielding performance of polyimide-derived carbon foam. <b>2019</b> , 149, 190-202	38
556	Influence of keratin and DNA coating on fire retardant magnesium hydroxide dispersion and flammability characteristics of PE/EVA blends. <b>2019</b> , 165, 1-11	15
555	Development of polyvinylidene fluoride/graphite composites as an alternate material for electromagnetic shielding applications. <b>2019</b> , 6, 075324	8
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390	Ultralight, Flexible, and Biomimetic Nanocellulose/Silver Nanowire Aerogels for Electromagnetic Interference Shielding. <b>2020</b> , 14, 2927-2938	121

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377	A Super-Stretchable Liquid Metal Foamed Elastomer for Tunable Control of Electromagnetic Waves and Thermal Transport. <b>2020</b> , 7, 2000177	49
376	UV-light modulated Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene/g-C <sub>3</sub> N <sub>4</sub> heterojunction film for electromagnetic interference shielding. <b>2020</b> , 134, 105899	20
375	Self-healing and flexible carbon nanotube/polyurethane composite for efficient electromagnetic interference shielding. <b>2020</b> , 193, 108015	46
374	Highly Conductive PDMS Composite Mechanically Enhanced with 3D-Graphene Network for High-Performance EMI Shielding Application. <b>2020</b> , 10,	9
373	Electromagnetic shielding behavior of heat-treated Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene accompanied by structural and phase changes. <b>2020</b> , 165, 150-162	20
372	Dependence of electromagnetic interference shielding ability of conductive polymer composite foams with hydrophobic properties on cellular structure. <b>2020</b> , 8, 7401-7410	36

371	Bioinspired ultra-thin polyurethane/MXene nacre-like nanocomposite films with synergistic mechanical properties for electromagnetic interference shielding. <b>2020</b> , 8, 7170-7180	41
370	Preparation of high-strength and lightweight microcellular polysulfone foam with a segregated CNT network for excellent electromagnetic shielding.. <b>2020</b> , 10, 11994-12003	11
369	Holistic analysis of nanocomposites of carbon nanotube with polypropylene. <b>2021</b> , 25, 186-197	
368	Mass production of two-dimensional materials beyond graphene and their applications. <b>2021</b> , 14, 1583-1597	21
367	Polymer composites with expanded graphite network with superior thermal conductivity and electromagnetic interference shielding performance. <b>2021</b> , 404, 126437	51
366	Mechano-adaptive thin film of graphene-based polymeric nanocomposite for enhancement of lubrication properties. <b>2021</b> , 538, 148041	9
365	Construction of shape-memory carbon foam composites for adjustable EMI shielding under self-fixable mechanical deformation. <b>2021</b> , 405, 126927	28
364	Flexible Nanoporous Silver Membranes with Unprecedented High Effectiveness for Electromagnetic Interference Shielding. <b>2021</b> , 93, 245-252	13
363	3D-printing of segregated carbon nanotube/polylactic acid composite with enhanced electromagnetic interference shielding and mechanical performance. <b>2021</b> , 197, 109222	24
362	Nanoelectromagnetic of a highly conductive 2D transition metal carbide (MXene)/Graphene nanoplatelets composite in the EHF M-band frequency. <b>2021</b> , 173, 528-539	11
361	(Cr <sub>0.2</sub> Mn <sub>0.2</sub> Fe <sub>0.2</sub> Co <sub>0.2</sub> Mo <sub>0.2</sub> )B: A novel high-entropy monoboride with good electromagnetic interference shielding performance in K-band. <b>2021</b> , 77, 58-65	11
360	A green approach to preparing hydrophobic, electrically conductive textiles based on waterborne polyurethane for electromagnetic interference shielding with low reflectivity. <b>2021</b> , 421, 127749	18
359	Facile green path to interconnected nano-graphite networks to overtake graphene as conductive fillers. <b>2021</b> , 173, 667-675	3
358	Interfacial engineering in PDMS/graphene composites via anchoring polypyrrole nanowires to enhance its electro-photo thermal performance. <b>2021</b> , 174, 10-23	6
357	Strengthened, conductivity-tunable, and low solvent-sensitive flexible conductive rubber films with a Zn <sup>2+</sup> -crosslinked one-body segregated network. <b>2021</b> , 203, 108606	1
356	Lightweight, flexible and superhydrophobic conductive composite films based on layer-by-layer self-assembly for high-performance electromagnetic interference shielding. <b>2021</b> , 141, 106199	6
355	Lightweight, flexible and highly sensitive segregated microcellular nanocomposite piezoresistive sensors for human motion detection. <b>2021</b> , 203, 108571	36
354	Construction of compressible Polymer/MXene composite foams for high-performance absorption-dominated electromagnetic shielding with ultra-low reflectivity. <b>2021</b> , 173, 932-940	43

- 353 Plasma-sprayed ZrB<sub>2</sub>/Al<sub>2</sub>O<sub>3</sub> ceramics with excellent high temperature electromagnetic interference shielding properties. **2021**, 41, 1071-1075 7
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333	Facile preparation of light-weight biodegradable and electrically conductive polymer based nanocomposites for superior electromagnetic interference shielding effectiveness. <b>2021</b> , 138, 50514	19
332	Graphene Oxide and Reduced Graphene Oxide as Nanofillers in Membrane Separation. <b>2021</b> , 113-144	3
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330	Introduction. <b>2021</b> , 1-31	
329	Advances in electromagnetic shielding properties of composite foams. <b>2021</b> , 9, 8896-8949	34
328	Recent Trends in the Use of Three-Dimensional Graphene Structures for Supercapacitors. <b>2021</b> , 3, 574-596	6
327	Ultrahigh Molecular Weight Polyethylene and Graphene Oxide (UHMWPE/GO) Nano-composites for EMI Shielding. <b>2021</b> , 1243-1267	
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324	High-Performance Multifunctional Carbon-Silicon Carbide Composites with Strengthened Reduced Graphene Oxide. <b>2021</b> , 15, 2880-2892	17
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311	Polydopamine coating improves electromagnetic interference shielding of delignified wood-derived carbon scaffold. <b>2021</b> , 56, 10915-10925	5
310	Efficient natural rubber latex foam coated by rGO modified high density polyethylene for oil-water separation and electromagnetic shielding performance. <b>2021</b> , 147, 110288	2
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307	Multifunctional Graphene Microstructures Inspired by Honeycomb for Ultrahigh Performance Electromagnetic Interference Shielding and Wearable Applications. <b>2021</b> , 15, 8907-8918	36
306	Ultrathin flexible poly(vinylidene fluoride)/MXene/silver nanowire film with outstanding specific EMI shielding and high heat dissipation. <b>2021</b> , 4, 505-513	65
305	Thin Films and/or Coating for Electromagnetic Interference and Stealth. <b>2021</b> , 587-614	0
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303	From Waste to Functional Materials: A Multifunctional Electromagnetic Interference Shielding Composite from Waste Rock Wool. <b>2021</b> , 3, 2187-2194	2
302	Heterogeneous silicon rubber composite foam with gradient porous structure for highly absorbed ultra-efficient electromagnetic interference shielding. <b>2021</b> , 206, 108663	25
301	Interfacial and defect polarization in MXene-like laminated spinel for electromagnetic wave absorption application. <b>2021</b> , 588, 813-825	29
300	Robust electromagnetic interference shielding, joule heating, thermal conductivity, and anti-dripping performances of polyoxymethylene with uniform distribution and high content of carbon-based nanofillers. <b>2021</b> , 206, 108681	31

299	Microwave-Assisted Confining Flame-Retardant Polypropylene in Carbon Nanotube Conductive Networks for Improved Electromagnetic Interference Shielding and Flame Retardation. <b>2021</b> , 23, 2100024	2
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296	Off/on switchable smart electromagnetic interference shielding aerogel. <b>2021</b> , 4, 1735-1747	27
295	MXene-coated conductive composite film with ultrathin, flexible, self-cleaning for high-performance electromagnetic interference shielding. <b>2021</b> , 412, 128681	25
294	Polyvinylidene Fluoride Core-Shell Nanofiber Membranes with Highly Conductive Shells for Electromagnetic Interference Shielding. <b>2021</b> , 13, 25428-25437	4
293	Self-Assembled Core-Shell Amorphous SiC <sub>x</sub> N <sub>y</sub> O <sub>z</sub> @SiC <sub>x</sub> O <sub>y</sub> Composites with High Thermal Stability for Highly Effective Electromagnetic Wave Absorption. <b>2021</b> , 3, 2589-2600	1
292	Facile fabrication of lightweight porous FDM-Printed polyethylene/graphene nanocomposites with enhanced interfacial strength for electromagnetic interference shielding. <b>2021</b> , 207, 108732	20
291	Ultralight graphene oxide/polyvinyl alcohol aerogel for broadband and tuneable acoustic properties. <b>2021</b> , 11, 10572	7
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285	Advances in waterborne polymer/carbon material composites for electromagnetic interference shielding. <b>2021</b> , 177, 412-426	27
284	Advanced collagen nanofibers-based functional bio-composites for high-value utilization of leather: A review. <b>2021</b> , 6, 153-166	4
283	Segregated highly conductive linear low-density polyethylene/graphene nanoplatelet composite through aqueous dispersing and self-leveling method. <b>2021</b> , 138, 51212	0
282	High-Performance Joule Heating and Electromagnetic Shielding Properties of Anisotropic Carbon Scaffolds. <b>2021</b> , 13, 29101-29112	12



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280	Hydrothermal synthesis of nitrogen-doped graphene as lightweight and high-efficient electromagnetic wave absorbers. <b>2021</b> , 32, 26116	1
279	Lightweight high-performance carbon-polymer nanocomposites for electromagnetic interference shielding. <b>2021</b> , 145, 106376	30
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277	Construction, mechanism and prospective of conductive polymer composites with multiple interfaces for electromagnetic interference shielding: A review. <b>2021</b> , 177, 377-402	104
276	Multifunctional and corrosion resistant poly(phenylene sulfide)/Ag composites for electromagnetic interference shielding. <b>2021</b> , 415, 129052	23
275	Bubble-templated rGO-graphene nanoplatelet foams encapsulated in silicon rubber for electromagnetic interference shielding and high thermal conductivity. <b>2021</b> , 415, 129054	17
274	Flexible Poly(vinylidene fluoride)-MXene/Silver Nanowire Electromagnetic Shielding Films with Joule Heating Performance. <b>2021</b> , 60, 9824-9832	8
273	Cellulose nanocrystal-mediated assembly of graphene oxide in natural rubber nanocomposites with high electrical conductivity. <b>2021</b> , 138, 51460	3
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271	Vertical Graphene Nanosheet/Polyimide Composite Films for Electromagnetic Interference Shielding. <b>2021</b> , 4, 7461-7470	1
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269	Thermally Enhanced Boron Nitride Nanotube/reduced Graphene Oxide Paper and Their Application. <b>2021</b> , 17, 500	1
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266	Polymer-based EMI shielding composites with 3D conductive networks: A mini-review. <b>2021</b> , 1, 413-431	84
265	Bioinspired Graphene Oxide Membranes with pH-Responsive Nanochannels for High-Performance Nanofiltration. <b>2021</b> ,	33
264	Microwave induced in-situ formation of SiC nanowires on SiCNO ceramic aerogels with excellent electromagnetic wave absorption performance. <b>2021</b> , 10, 1140	12

263	Waterproof Graphene-PVDF Wearable Strain Sensors for Movement Detection in Smart Gloves. <b>2021</b> , 21,	2
262	Ultrathin, flexible, and high-strength Ni/Cu/metallic glass/Cu/Ni composite with alternate magneto-electric structures for electromagnetic shielding. <b>2021</b> , 81, 43-50	10
261	Ultrathin, Ultralight, and Anisotropic Ordered Reduced Graphene Oxide Fiber Electromagnetic Interference Shielding Membrane. 2100531	1
260	Electromagnetic Shielding Effectiveness of an Absorber-Like Carbonyl Iron-FeNi Double-Layer Composite. 1	
259	Tracing evolutions in electro-activated shape memory polymer composites with 4D printing strategies: A systematic review. <b>2021</b> , 147, 106444	13
258	Recent advances in graphene-based films for electromagnetic interference shielding: Review and future prospects. <b>2021</b> , 180, 163-184	32
257	Structural Design Strategies of Polymer Matrix Composites for Electromagnetic Interference Shielding: A Review. <b>2021</b> , 13, 181	65
256	Graphene and Iron Reinforced Polymer Composite Electromagnetic Shielding Applications: A Review. <b>2021</b> , 13,	12
255	Flexible Sandwich-Structured Electromagnetic Interference Shielding Nanocomposite Films with Excellent Thermal Conductivities. <b>2021</b> , 17, e2101951	87
254	Controlled Vertically Aligned Structures in Polymer Composites: Natural Inspiration, Structural Processing, and Functional Application. <b>2021</b> , e2103495	8
253	Efficient electrical conductivity and electromagnetic interference shielding performance of double percolated polymer composite foams by phase coarsening in supercritical CO <sub>2</sub> . <b>2021</b> , 213, 108895	3
252	The addition of graphene nanoplatelets into epoxy/polycaprolactone composites for autonomous self-healing activation by Joule's heating effect. <b>2021</b> , 213, 108950	8
251	Enhanced absorption of electromagnetic waves in Ti3C2Tx MXene films with segregated polymer inclusions. <b>2021</b> , 213, 108878	8
250	Wearable, Washable, and Highly Sensitive Piezoresistive Pressure Sensor Based on a 3D Sponge Network for Real-Time Monitoring Human Body Activities. <b>2021</b> , 13, 46848-46857	14
249	Lightweight and elastic wood-derived composites for pressure sensing and electromagnetic interference shielding. <b>2021</b> , 213, 108931	13
248	Low-temperature carbonized carbon nanotube/cellulose aerogel for efficient microwave absorption. <b>2021</b> , 220, 108985	31
247	Flexible electrospun carbon nanofibers/silicone composite films for electromagnetic interference shielding, electrothermal and photothermal applications. <b>2021</b> , 420, 129826	10
246	Microcellular epoxy/graphene nanocomposites with outstanding electromagnetic interference shielding and mechanical performance by overcoming nanofiller loading/dispersion dichotomy. <b>2021</b> , 215, 109000	8

245	High-performance and robust dual-function electrochromic device for dynamic thermal regulation and electromagnetic interference shielding. <b>2021</b> , 422, 130064	3
244	Sodium oxalate-induced hydrothermal synthesis of wood-texture-column-like NiCoO with broad bandwidth electromagnetic wave absorption performance. <b>2021</b> , 600, 49-57	11
243	Tailoring high-electroconductivity carbon cloth coated by nickel cobaltate/nickel oxide: A case of transition from microwave shielding to absorption. <b>2021</b> , 183, 138-149	22
242	Hybrid shell of MXene and reduced graphene oxide assembled on PMMA bead core towards tunable thermoconductive and EMI shielding nanocomposites. <b>2021</b> , 149, 106574	15
241	WITHDRAWN: Recent advances in enhancing the anti-UV properties of aramid fibers with nanomaterials: A review. <b>2021</b> , 102, 107138	0
240	Enhanced electromagnetic shielding property and anisotropic shielding behavior of corrugated carbon fiber felt composite and its sandwich structure. <b>2021</b> , 149, 106481	6
239	Dual-functional 3D multi-wall carbon nanotubes/graphene/silicone rubber elastomer: Thermal management and electromagnetic interference shielding. <b>2021</b> , 183, 216-224	13
238	High-strength scalable MXene films through bridging-induced densification. <b>2021</b> , 374, 96-99	64
237	A novel interpenetrating segregated functional filler network structure for ultra-high electrical conductivity and efficient EMI shielding in CPCs containing carbon nanotubes. <b>2021</b> , 21, 100483	9
236	Humidification of high-performance and multifunctional polyimide/carbon nanotube composite foams for enhanced electromagnetic shielding. <b>2021</b> , 21, 100521	10
235	Post synthesis foaming of graphene-oxide/chitosan aerogel for efficient microwave absorbers via regulation of multiple reflections. <b>2021</b> , 143, 111458	1
234	Random nano-structuring of PVA/MXene membranes for outstanding flammability resistance and electromagnetic interference shielding performances. <b>2021</b> , 224, 109174	5
233	Leather-like hierarchical porous composites with outstanding electromagnetic interference shielding effectiveness and durability. <b>2021</b> , 225, 109272	1
232	Achieving flexible and durable electromagnetic interference shielding fabric through lightweight and mechanically strong aramid fiber wrapped in highly conductive multilayer metal. <b>2021</b> , 565, 150577	6
231	A facile strategy for lightweight, anti-dripping, flexible polyurethane foam with low smoke emission tendency and superior electromagnetic wave blocking. <b>2021</b> , 603, 25-36	7
230	Flexible and superhydrophobic carbonized cotton fabrics for effective electromagnetic interference shielding. <b>2021</b> , 540, 168434	2
229	A novel structural design of shielding capsule to prepare high-performance and self-healing MXene-based sponge for ultra-efficient electromagnetic interference shielding. <b>2021</b> , 426, 130729	8
228	Flexible multilayered aramid nanofiber/silver nanowire films with outstanding thermal durability for electromagnetic interference shielding. <b>2021</b> , 151, 106643	12

227	Microwave-induced segregated composite network with MXene as interfacial solder for ultra-efficient electromagnetic interference shielding and anti-dripping. <b>2021</b> , 425, 131699	6
226	Distribution states of graphene in polymer nanocomposites: A review. <b>2021</b> , 226, 109353	10
225	Flexible and transparent silver nanowires/biopolymer film for high-efficient electromagnetic interference shielding. <b>2022</b> , 607, 89-99	10
224	Electromagnetic interference shielding property of polymer-graphene composites. <b>2022</b> , 211-243	0
223	Construction of 3D MXene/Silver nanowires aerogels reinforced polymer composites for extraordinary electromagnetic interference shielding and thermal conductivity. <b>2022</b> , 427, 131540	16
222	A breathable and flexible fiber cloth based on cellulose/polyaniline cellular membrane for microwave shielding and absorbing applications. <b>2022</b> , 605, 193-203	20
221	Hydrothermal self-assembled Fe <sub>3</sub> O <sub>4</sub> /CA core-shell composites for broadband microwave absorption. <b>2022</b> , 541, 168511	3
220	Electrical and electronic applications of polymer-graphene composites. <b>2022</b> , 343-377	0
219	Electrical conductivity of polymer-graphene composites. <b>2022</b> , 107-139	1
218	Graphite/nickel nanoparticle composites prepared by soft chemical methods. <b>2022</b> , 160, 110349	0
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216	Superior strength and highly thermoconductive cellulose/ boron nitride film by stretch-induced alignment. <b>2021</b> , 9, 10304-10315	14
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213	Fire/heat-resistant, anti-corrosion and folding Ti <sub>2</sub> C <sub>3</sub> T <sub>x</sub> MXene/single-walled carbon nanotube films for extreme-environmental EMI shielding and solar-thermal conversion applications. <b>2021</b> , 9, 10425-10434	15
212	An autonomously ultrafast self-healing, highly colourless, tear-resistant and compliant elastomer tailored for transparent electromagnetic interference shielding films integrated in flexible and optical electronics. <b>2021</b> , 8, 3356-3367	8
211	Exploring the Potential of Graphene as an EMI Shielding Material [An Overview]. <b>2020</b> , 22, 1737-1744	2
210	Toward Architected Nanocomposites: MXenes and Beyond. <b>2021</b> , 15, 21-28	14

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208	Ultrathin, lightweight, and freestanding metallic mesh for transparent electromagnetic interference shielding. <b>2019,</b> 27, 24194-24206	25
207	3D Shapeable, Superior Electrically Conductive Cellulose Nanofibers/TiCT MXene Aerogels/Epoxy Nanocomposites for Promising EMI Shielding. <b>2020,</b> 2020, 4093732	63
206	Reduced Graphene Oxide/Mxene Composite Foam with Multilayer Structure for Electromagnetic Interference Shielding and Heat Insulation Applications.	
205	Electromagnetic Data-Driven Approach to Realize the Best Microwave Absorption Characteristics of MXene-Based Nanocomposites. <b>2021,</b> 3, 4558-4567	1
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202	Hydroiodic acid and microwave reduced graphene oxide/PES-C films for flexible EMI shielding materials. <b>2021,</b> 120, 108645	1
201	Highly Improved Microwave Absorbing and Mechanical Properties in Cold Sintered ZnO by Incorporating Graphene Oxide. <b>2021,</b>	3
200	3D printing of free-standing Ti3C2Tx/PEO architecture for electromagnetic interference shielding. <b>2021,</b> 236, 124312	2
199	The effects of solvent casting temperature and physical aging on polyhydroxybutyrate-graphene nanoplatelet composites. <b>2021,</b> 42, 1451-1461	1
198	Ultra-High Molecular Weight Polyethylene and Graphene Oxide (UHMWPE/GO) Nano Composites for EMI Shielding. <b>2021,</b> 1-26	
197	MXene-decorated nanofiber film based on layer-by-layer assembly strategy for high-performance electromagnetic interference shielding. <b>2022,</b> 574, 151552	4
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