

Lai-fei Cheng

List of Publications by Year in Descending Order

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

300
papers

11,409
citations

53
h-index

100
g-index

307
ext. papers

14,216
ext. citations

5.4
avg, IF

6.86
L-index

#	Paper	IF	Citations
300	Oxidation behaviors of carbon fiber reinforced multilayer SiC-Si ₃ N ₄ matrix composites. <i>Journal of Advanced Ceramics</i> , 2022 , 11, 354-364	10.7	1
299	Microwave absorption design of water by the combination of dipole polarization and interfacial polarization. <i>Journal of Materials Science: Materials in Electronics</i> , 2022 , 33, 6411	2.1	
298	Engineering (Ni, Co, Mn) Se nanoarrays with 3D-Printed wave-structure carbon-rich lattice towards ultrahigh-capacity, complex-stress and all-climate energy storage. <i>Carbon</i> , 2022 , 187, 375-385	10.4	3
297	Rational design of n-BiTiO@p-BiOI core-shell heterojunction for boosting photocatalytic NO removal. <i>Journal of Colloid and Interface Science</i> , 2022 , 607, 242-252	9.3	4
296	Single-atom catalysts for CO oxidation, CO ₂ reduction, and O ₂ electrochemistry. <i>Journal of Energy Chemistry</i> , 2022 , 65, 254-279	12	11
295	Synthesis of embedded ZrC-SiC-C microspheres via carbothermal reduction for thermal stability and electromagnetic wave absorption. <i>Applied Surface Science</i> , 2022 , 591, 153105	6.7	0
294	Fiber reinforced SiC ceramic helical spring for high elasticity and large deformation at high temperature. <i>International Journal of Applied Ceramic Technology</i> , 2022 , 19, 1583-1593	2	
293	High-Strength, Superhydrophilic/Underwater Superoleophobic Multifunctional Ceramics for High Efficiency Oil-Water Separation and Water Purification. <i>Materials Today Nano</i> , 2022 , 100199	9.7	1
292	Ti C T /MoS Self-Rolling Rod-Based Foam Boosts Interfacial Polarization for Electromagnetic Wave Absorption.. <i>Advanced Science</i> , 2022 , e2201118	13.6	5
291	A SiC nanowires/Ba _{0.75} Sr _{0.25} Al ₂ Si ₂ O ₈ ceramic heterojunction for stable electromagnetic absorption under variable-temperature. <i>Journal of Materials Science and Technology</i> , 2022 , 125, 29-37	9.1	1
290	Bi selectively doped SrTiO nanosheets enhance photocatalytic CO reduction under visible light.. <i>Journal of Colloid and Interface Science</i> , 2021 , 611, 137-148	9.3	1
289	3D printing Wire-on-sphere hierarchical SiC nanowires / SiC whiskers foam for efficient high-temperature electromagnetic wave absorption. <i>Journal of Materials Science and Technology</i> , 2021 , 109, 94-94	9.1	5
288	Infinite Approaching Superlubricity by Three-Dimensional Printed Structures. <i>ACS Nano</i> , 2021 , 15, 240-257	6.7	17
287	Superhydrophobic Self-Cleaning Hierarchical Micro-/Nanocomposite Coating with High Corrosion Resistance and Durability. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 4111-4121	8.3	26
286	Microstructure and mechanical properties of Zr ₃ Al ₃ C ₅ -based ceramics synthesized by Al-Si melt infiltration. <i>Journal of Advanced Ceramics</i> , 2021 , 10, 529-536	10.7	1
285	Effects of Impedance and Dielectric Loss on the Electromagnetic Shielding Performance of an Ultrathin Carbon Nanotube Buckypaper-Reinforced Silicon Carbide Nanocomposite. <i>Advanced Engineering Materials</i> , 2021 , 23, 2001487	3.5	1
284	High temperature electromagnetic interference shielding of lightweight and flexible ZrC/SiC nanofiber mats. <i>Chemical Engineering Journal</i> , 2021 , 404, 126521	14.7	29

283	Ultralight and flexible SiC nanoparticle-decorated carbon nanofiber mats for broad-band microwave absorption. <i>Carbon</i> , 2021 , 171, 474-483	10.4	23
282	3D-printed controllable gradient pore superwetting structures for high temperature efficient oil-water separation. <i>Journal of Materiomics</i> , 2021 , 7, 8-18	6.7	5
281	Enhanced impact resistance and electromagnetic interference shielding of carbon nanotubes films composites. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50033	2.9	4
280	A high-temperature structural and wave-absorbing SiC fiber reinforced Si ₃ N ₄ matrix composites. <i>Ceramics International</i> , 2021 , 47, 8191-8199	5.1	2
279	Synthesis of multifunctional foam-like isotropic high volume fraction SiC nanowires preform via a simple method. <i>Ceramics International</i> , 2021 , 47, 9569-9577	5.1	4
278	Efficient multiscale strategy for toughening HfB ₂ ceramics: A heterogeneous ceramic-metal layered architecture. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 1841-1851	3.8	19
277	3D/4D printed tunable electrical metamaterials with more sophisticated structures. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 12010-12036	7.1	4
276	Broadening the absorption bandwidth by novel series-parallel cross convex-concave structures. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 5411-5424	7.1	7
275	3D-Printed Topological MoS/MoSe Heterostructures for Macroscale Superlubricity. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 34984-34995	9.5	3
274	Enhanced mechanical property and tunable dielectric property of SiCf/SiC-SiBCN composites by CVI combined with PIP. <i>Journal of Advanced Ceramics</i> , 2021 , 10, 758	10.7	7
273	Formation of Ultra-High Temperature Ceramic Hollow Microspheres as Promising Lightweight Thermal Insulation Materials via a Molten Salt-Assisted Template Method. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 37388-37397	9.5	3
272	Microwave absorption properties of multilayer impedance gradient absorber consisting of Ti ₃ C ₂ TX MXene/polymer films. <i>Carbon</i> , 2021 , 181, 130-142	10.4	14
271	Formation of nanocrystalline graphite in polymer-derived SiCN by polymer infiltration and pyrolysis at a low temperature. <i>Journal of Advanced Ceramics</i> , 2021 , 10, 1256	10.7	2
270	Electromagnetic wave-transparent porous silicon nitride ceramic prepared by gel-casting combined with in-situ nitridation reaction. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 7620-7620	6	4
269	3D Printed Electrochromic Supercapacitors with Ultrahigh Mechanical Strength and Energy Density. <i>Small</i> , 2021 , 17, e2102639	11	4
268	3D printing of PDC-SiOC@SiC twins with high permittivity and electromagnetic interference shielding effectiveness. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 5437-5444	6	3
267	Impedance matching optimization of SiCf/Si ₃ N ₄ /SiOC composites for excellent microwave absorption properties. <i>Ceramics International</i> , 2021 , 48, 1889-1889	5.1	0
266	A sheath-core shaped ZrO ₂ -SiC/SiO ₂ fiber felt with continuously distributed SiC for broad-band electromagnetic absorption. <i>Chemical Engineering Journal</i> , 2021 , 419, 129414	14.7	33

265	High-strength printed ceramic structures for higher temperature lubrication. <i>Composites Part B: Engineering</i> , 2021 , 221, 109013	10	4
264	3D-printed impedance gradient Al ₂ O ₃ ceramic with in-situ growing needle-like SiC nanowires for electromagnetic wave absorption. <i>Ceramics International</i> , 2021 , 47, 31990-31999	5.1	3
263	3DN C/SiC-MoS ₂ self-lubricating composites with high friction stability and excellent elevated-temperature lubrication. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 6815-6823	6	3
262	The influence of substrate morphology on the thermal radiation properties of SiC coating. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	
261	A lightweight CNWs-SiO ₂ /3Al ₂ O ₃ ∩SiO ₂ porous ceramic with excellent microwave absorption and thermal insulation properties. <i>Ceramics International</i> , 2020 , 46, 20395-20403	5.1	6
260	A 3D-printed stretchable structural supercapacitor with active stretchability/flexibility and remarkable volumetric capacitance. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 13646-13658	13	30
259	A reduced graphene oxide/bi-MOF-derived carbon composite as high-performance microwave absorber with tunable dielectric properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 11774-11783	2.1	4
258	Relationship between microstructure and electromagnetic properties of SiC fibers. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 4352-4362	3.8	5
257	Enhanced electromagnetic wave absorption properties of a novel SiC nanowires reinforced SiO ₂ /3Al ₂ O ₃ ∩SiO ₂ porous ceramic. <i>Ceramics International</i> , 2020 , 46, 22474-22481	5.1	9
256	Excellent lubrication properties of 3D printed ceramic bionic structures. <i>Ceramics International</i> , 2020 , 46, 23463-23470	5.1	6
255	Morphology Design of Co-electrospinning MnO-VN/C Nanofibers for Enhancing the Microwave Absorption Performances. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 13208-13216	9.5	41
254	Electromagnetic interference shielding Ti ₃ C ₂ T _x -bonded carbon black films with enhanced absorption performance. <i>Chinese Chemical Letters</i> , 2020 , 31, 1026-1029	8.1	9
253	SiC/rGO Core-shell Nanowire as a Lightweight, Highly Efficient Gigahertz Electromagnetic Wave Absorber. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 473-482	4	14
252	Optimized design of high-temperature microwave absorption properties of CNTs/Sc ₂ Si ₂ O ₇ ceramics. <i>Journal of Alloys and Compounds</i> , 2020 , 823, 153864	5.7	20
251	Interfacial Engineering of Cobalt Nitrides and Mesoporous Nitrogen-Doped Carbon: Toward Efficient Overall Water-Splitting Activity with Enhanced Charge-Transfer Efficiency. <i>ACS Energy Letters</i> , 2020 , 5, 692-700	20.1	63
250	Tailorable microwave absorption properties of RGO/SiC/CNT nanocomposites with 3D hierarchical structure. <i>Ceramics International</i> , 2020 , 46, 18160-18167	5.1	17
249	3D printing of structured electrodes for rechargeable batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 10670-10694	13	48
248	Electromagnetic shielding behavior of heat-treated Ti ₃ C ₂ TX MXene accompanied by structural and phase changes. <i>Carbon</i> , 2020 , 165, 150-162	10.4	20

247	Sandwich-like SiCnw/C/Si ₃ N ₄ porous layered composite for full X-band electromagnetic wave absorption at elevated temperature. <i>Composites Part B: Engineering</i> , 2020 , 183, 107629	10	26
246	Design and fabrication of Al ₂ O ₃ f/SiCN composite with excellent microwave absorbing and mechanical properties. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 6255-6264	3.8	4
245	Adjusting the Morphology and Properties of SiC Nanowires by Catalyst Control. <i>Materials</i> , 2020 , 13,	3.5	2
244	Molecule editable 3D printed polymer-derived ceramics. <i>Coordination Chemistry Reviews</i> , 2020 , 422, 213486	3.6	23
243	Wet oxidation behavior of C/SiC/BiHF(B)CN composites at high temperature. <i>Advanced Composites and Hybrid Materials</i> , 2020 , 3, 415-429	8.7	2
242	A novel SiC/Zn _{0.5} Cd _{0.5} S solid-state Z-scheme system and its enhanced hydrogen production activity. <i>Applied Surface Science</i> , 2020 , 500, 144009	6.7	8
241	Effect of E-44 Epoxy Resin and Pyrolysis Temperature on the Adhesion Strength of SiBCN Ceramic. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2020 , 35, 81-86	1	2
240	In Situ Irradiated X-ray Photoelectron Spectroscopy on the Ag-Zn _{0.5} Cd _{0.5} S Core/Shell Structure and the Hydrogen Production Activity. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 6488-6495	8.3	8
239	Improved electromagnetic shielding properties of SiC/SiBCN modified by SiC nanowires. <i>Ceramics International</i> , 2019 , 45, 24375-24381	5.1	5
238	Preparation and Performance of SiN Hollow Microspheres by the Template Method and Carbothermal Reduction Nitridation. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 39054-39061	9.5	14
237	Optically transparent and flexible broadband microwave metamaterial absorber with sandwich structure. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1	2.6	41
236	Lightweight TiCT MXene/Poly(vinyl alcohol) Composite Foams for Electromagnetic Wave Shielding with Absorption-Dominated Feature. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 10198-10207	9.5	266
235	3D printed electrochemical energy storage devices. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 4230-4258	13	152
234	3D Structural Strengthening Urchin-Like Cu(OH) ₂ -Based Symmetric Supercapacitors with Adjustable Capacitance. <i>Advanced Functional Materials</i> , 2019 , 29, 1903588	15.6	60
233	Ultralight Cellular Foam from Cellulose Nanofiber/Carbon Nanotube Self-Assemblies for Ultrabroad-Band Microwave Absorption. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 22628-22636	9.5	62
232	Wet oxidation behavior of SiC/(SiC- SiBCN) _x composites prepared by CVI combined with PIOP process. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 6239-6255	3.8	12
231	Anisotropic MXene Aerogels with a Mechanically Tunable Ratio of Electromagnetic Wave Reflection to Absorption. <i>Advanced Optical Materials</i> , 2019 , 7, 1900267	8.1	138
230	Carbon nanowires reinforced porous SiO ₂ /3Al ₂ O ₃ /2SiO ₂ ceramics with tunable electromagnetic absorption properties. <i>Ceramics International</i> , 2019 , 45, 11316-11324	5.1	5

229	Controllable synthesis of defective carbon nanotubes/Sc ₂ Si ₂ O ₇ ceramic with adjustable dielectric properties for broadband high-performance microwave absorption. <i>Carbon</i> , 2019 , 147, 276-283	10.4	59
228	Tailoring strength and modulus by 3D printing different continuous fibers and filled structures into composites. <i>Advanced Composites and Hybrid Materials</i> , 2019 , 2, 312-319	8.7	39
227	Strong and tough ZrB ₂ materials using a heterogeneous ceramic-metal layered architecture. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 5013-5019	3.8	8
226	Constructing a tunable heterogeneous interface in bimetallic metal-organic frameworks derived porous carbon for excellent microwave absorption performance. <i>Carbon</i> , 2019 , 148, 421-429	10.4	70
225	Thermal stability and dielectric properties of 2D Ti ₂ C MXenes via annealing under a gas mixture of Ar and H ₂ atmosphere. <i>Functional Composites and Structures</i> , 2019 , 1, 015002	3.5	9
224	Strengthening three-dimensional printed ultra-light ceramic lattices. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 5082-5089	3.8	7
223	Polyborosilazane-Derived High Temperature Resistant SiBCNO. <i>Advanced Engineering Materials</i> , 2019 , 21, 1801295	3.5	2
222	A hierarchical oxygen vacancy-rich WO ₃ with nanowire-array-on-nanosheet-array structure for highly efficient oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 6730-6739	13	35
221	In situ toughened two-phase B ₁₂ (C, Si, B) ₃ SiC ceramics fabricated via liquid silicon infiltration. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 2094-2103	3.8	4
220	Microstructure and Dielectric Property of 3D B ₄ C/Si ₃ N ₄ Fabricated by CVI Process. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2019 , 34, 818-823	1	0
219	Mechanical and dielectric properties of porous and wave-transparent Si ₃ N ₄ -Si ₃ N ₄ composite ceramics fabricated by 3D printing combined with chemical vapor infiltration. <i>Journal of Advanced Ceramics</i> , 2019 , 8, 399-407	10.7	43
218	Designable Mechanical Properties of 3D Printing Composites with Multiple Filaments by Different Infill Percentages and Structures. <i>Advanced Engineering Materials</i> , 2019 , 21, 1900508	3.5	4
217	Effects of Pore on Thermal Diffusivity and Thermal Radiation Properties of C/SiC Composites at High Temperatures. <i>Applied Composite Materials</i> , 2019 , 26, 1411-1422	2	2
216	Microstructure and Tribological Behavior of Al ₂ O ₃ Particle Reinforced Al Matrix Composites Fabricated by Spark Plasma Sintering. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2019 , 34, 1013-1017	1	1
215	Interface evolution of a C/ZnO absorption agent annealed at elevated temperature for tunable electromagnetic properties. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 5305-5315	3.8	20
214	Microstructure and Properties of Diamond/SiC Composites Via Hot Molding Forming and CVI Densifying. <i>Advanced Engineering Materials</i> , 2019 , 21, 1800640	3.5	8
213	Ablation Behavior of ZrAl(Si) ₂ Layered Carbides Modified 3D Needled C/SiC Composites. <i>Advanced Engineering Materials</i> , 2019 , 21, 1800936	3.5	1
212	Macroscopic carbon nanotube assembly/silicon carbide matrix composites produced by gas phase route. <i>Advanced Composites and Hybrid Materials</i> , 2019 , 2, 142-150	8.7	12

211	Reduced Graphene Oxide/Silicon Nitride Composite for Cooperative Electromagnetic Absorption in Wide Temperature Spectrum with Excellent Thermal Stability. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 5364-5372	9.5	33
210	Microstructure and Properties of Porous SiC Ceramics Modified by CVI-SiC Nanowires. <i>Advanced Engineering Materials</i> , 2019 , 21, 1800653	3.5	6
209	Microstructure and Properties of C/SiC-Diamond Composites Prepared by the Combination of CVI and RMI. <i>Advanced Engineering Materials</i> , 2019 , 21, 1800765	3.5	15
208	Constructing hollow graphene nano-spheres confined in porous amorphous carbon particles for achieving full X band microwave absorption. <i>Carbon</i> , 2019 , 142, 346-353	10.4	178
207	Thermodynamics equilibrium analysis on the chemical vapor deposition of HfC as coatings for ceramic matrix composites with HfCl _x (x = 2-4)-C _y H _z (CH ₄ , C ₂ H ₄ and C ₃ H ₆)-H ₂ -Ar system. <i>Advanced Composites and Hybrid Materials</i> , 2019 , 2, 102-114	8.7	
206	First printing of continuous fibers into ceramics. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 3244-3255	3.2	3
205	Thermophysical properties of three-dimensional ceramic-filler-modified carbon/carbon composites. <i>Ceramics International</i> , 2019 , 45, 1302-1307	5.1	5
204	Direct Growth of Edge-Rich Graphene with Tunable Dielectric Properties in Porous Si ₃ N ₄ Ceramic for Broadband High-Performance Microwave Absorption. <i>Advanced Functional Materials</i> , 2018 , 28, 1707205	15.6	294
203	Effects of thermal oxidising exposure on the tensile strength of Hi-Nicalon fibres. <i>Advances in Applied Ceramics</i> , 2018 , 117, 243-247	2.3	2
202	Laminated Hybrid Junction of Sulfur-Doped TiO and a Carbon Substrate Derived from TiC MXenes: Toward Highly Visible Light-Driven Photocatalytic Hydrogen Evolution. <i>Advanced Science</i> , 2018 , 5, 1700870	13.6	108
201	Effects of heat treatment temperatures on microstructures and mechanical properties of the chopped carbon fibres SiC composites. <i>Advances in Applied Ceramics</i> , 2018 , 117, 389-394	2.3	2
200	One-step synthesis of 2D-layered carbon wrapped transition metal nitrides from transition metal carbides (MXenes) for supercapacitors with ultrahigh cycling stability. <i>Chemical Communications</i> , 2018 , 54, 2755-2758	5.8	45
199	A simple recoating repair methodology to improve oxidation resistance of C/SiCs. <i>Advances in Applied Ceramics</i> , 2018 , 117, 347-353	2.3	3
198	Mesoporous carbon hollow microspheres with red blood cell like morphology for efficient microwave absorption at elevated temperature. <i>Carbon</i> , 2018 , 132, 343-351	10.4	189
197	Effect of machining parameter on femtosecond laser drilling processing on SiC/SiC composites. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 96, 1795-1811	3.2	19
196	Modelling shear behaviors of 2D C/SiC z-pinned joint prepared by chemical vapor infiltration. <i>Ceramics International</i> , 2018 , 44, 6433-6442	5.1	5
195	Effect of CVD ZrB ₂ coating thickness on anti-ablation performance of C/SiC composites. <i>Ceramics International</i> , 2018 , 44, 8166-8175	5.1	8
194	Tunable dielectric properties of mesoporous carbon hollow microspheres via textural properties. <i>Nanotechnology</i> , 2018 , 29, 184003	3.4	31

193	Microstructure and properties of dense Tyranno-ZMI SiC/SiC containing Ti ₃ Si(Al)C ₂ with plastic deformation toughening mechanism. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 1069-1078	6	17
192	Microstructure and EMW absorption properties of CVI Si ₃ N ₄ /SiCN ceramics with BN interface annealed in N ₂ atmosphere. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 1201-1210	3.8	17
191	Influence of thermal shock and environment temperature on mechanical properties of C/SiC/GH783 joint brazed with Cu-Ti + Mo. <i>Advanced Composites and Hybrid Materials</i> , 2018 , 1, 199-205	8.7	6
190	Mechanical and Electromagnetic Interference Shielding Behavior of C/SiC Composite Containing Ti ₃ SiC ₂ . <i>Advanced Engineering Materials</i> , 2018 , 20, 1700590	3.5	11
189	Highly flexible, foldable and stretchable NiCo layered double hydroxide/polyaniline/bacterial cellulose electrodes for high-performance all-solid-state supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 16617-16626	13	84
188	Effects of alumina hollow microspheres on the properties of water-borne polyurethane films. <i>Journal of Materials Research</i> , 2018 , 33, 2486-2493	2.5	2
187	Response of Silicon Nitride Ceramics under High-enthalpy Plasma Flows. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2018 , 33, 828-835	1	1
186	Enhanced Flexibility and Microwave Absorption Properties of HfC/SiC Nanofiber Mats. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 29876-29883	9.5	66
185	Microstructure and Mechanical Properties of Si ₃ N ₄ /FeSi Composites Prepared by Gas-Pressure Sintering. <i>Materials</i> , 2018 , 11,	3.5	2
184	Effect of Dimension Parameters on the Torsion Property of A C/SiC Pipe. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2018 , 33, 389-393	1	
183	A novel SiC-based microwave absorption ceramic with Sc ₂ Si ₂ O ₇ as transparent matrix. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 4189-4197	6	31
182	Self-Assembly Core/Shell Graphene-Bridged Hollow MXenes Spheres 3D Foam with Ultrahigh Specific EM Absorption Performance. <i>Advanced Functional Materials</i> , 2018 , 28, 1803938	15.6	366
181	Mechanical and Dielectric Properties of Two Types of Si ₃ N ₄ Fibers Annealed at Elevated Temperatures. <i>Materials</i> , 2018 , 11,	3.5	3
180	Multiscale designed SiCf/Si ₃ N ₄ composite for low and high frequency cooperative electromagnetic absorption. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 5552-5563	3.8	14
179	MXene Nanofibers as Highly Active Catalysts for Hydrogen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 8976-8982	8.3	103
178	Electromagnetic shielding properties of carbon-rich chemical vapor infiltration-prone silicon carbide matrix composites. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 1991-1998	3.8	12
177	A Numerical Study of Densification Behavior of Silicon Carbide Matrix Composites in Isothermal Chemical Vapor Infiltration. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2018 , 33, 1365-1371	1	1
176	Flexible FeSi/SiC ultrathin hybrid fiber mats with designable microwave absorption performance.. <i>RSC Advances</i> , 2018 , 8, 33574-33582	3.7	17

175	Broadband Microwave Absorbing Composites with a Multi-Scale Layered Structure Based on Reduced Graphene Oxide Film as the Frequency Selective Surface. <i>Materials</i> , 2018 , 11,	3.5	13
174	Strengthening of C/SiC Composites by Electrophoretic Deposition of CNTs on a SiC Coating. <i>Journal of Materials Engineering and Performance</i> , 2018 , 27, 5762-5768	1.6	3
173	Fabrication and Characterization of Short Silicon Nitride Fibers from Direct Nitridation of Ferrosilicon in N ₂ Atmosphere. <i>Materials</i> , 2018 , 11,	3.5	2
172	In situ growth of one-dimensional carbon-rich SiC nanowires in porous Sc ₂ Si ₂ O ₇ ceramics with excellent microwave absorption properties. <i>Ceramics International</i> , 2018 , 44, 22784-22793	5.1	24
171	Ultralight MXene-Coated, Interconnected SiCnws Three-Dimensional Lamellar Foams for Efficient Microwave Absorption in the X-Band. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 34524-34533	9.5	110
170	Ultra-thin MoS ₂ shell deposited on Ag nanowires for tuning surface-enhanced Raman spectroscopy. <i>Applied Surface Science</i> , 2018 , 453, 120-125	6.7	5
169	Tribological Behaviors of 3D Needled C/CBiC and FeSi75 Modified C/CBiC Brake Pair. <i>Tribology Letters</i> , 2017 , 65, 1	2.8	10
168	Carbon Hollow Microspheres with a Designable Mesoporous Shell for High-Performance Electromagnetic Wave Absorption. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 6332-6341	9.5	319
167	Electromagnetic characteristics and microstructure stability of Nextel 610 fiber after heat treatment. <i>Ceramics International</i> , 2017 , 43, 4630-4637	5.1	5
166	Three-dimensional reduced graphene oxide foam modified with ZnO nanowires for enhanced microwave absorption properties. <i>Carbon</i> , 2017 , 116, 50-58	10.4	413
165	Ceramic nanocomposites reinforced with a high volume fraction of carbon nanotubes. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2017 , 32, 47-50	1	2
164	Carbon Nanotubes Grown on Flax Fabric as Hierarchical All-Carbon Flexible Electrodes for Supercapacitors. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1601123	4.6	23
163	Electrospinning of Fe/SiC Hybrid Fibers for Highly Efficient Microwave Absorption. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 7265-7271	9.5	128
162	Anisotropic compressive properties of porous CNT/SiC composites produced by direct matrix infiltration of CNT aerogel. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 2243-2252	3.8	16
161	CNT/SiC composites produced by direct matrix infiltration of self-assembled CNT sponges. <i>Journal of Materials Science</i> , 2017 , 52, 8401-8411	4.3	24
160	Reaction mechanism and microstructure evolution of reaction sintered h-BN. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2017 , 32, 345-348	1	
159	Carbon Nanotube-Multilayered Graphene Edge Plane Core-Shell Hybrid Foams for Ultrahigh-Performance Electromagnetic-Interference Shielding. <i>Advanced Materials</i> , 2017 , 29, 1701583	24	379
158	Laminated and Two-Dimensional Carbon-Supported Microwave Absorbers Derived from MXenes. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 20038-20045	9.5	229

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