

# Lai-fei Cheng

## List of Publications by Citations

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307  
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14,216  
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#	Paper	IF	Citations
300	Ti3C2 MXenes with Modified Surface for High-Performance Electromagnetic Absorption and Shielding in the X-Band. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 21011-9	9.5	532
299	Graphene-wrapped ZnO hollow spheres with enhanced electromagnetic wave absorption properties. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 16403-16409	13	447
298	Three-dimensional reduced graphene oxide foam modified with ZnO nanowires for enhanced microwave absorption properties. <i>Carbon</i> , <b>2017</b> , 116, 50-58	10.4	413
297	Carbon Nanotube-Multilayered Graphene Edge Plane Core-Shell Hybrid Foams for Ultrahigh-Performance Electromagnetic-Interference Shielding. <i>Advanced Materials</i> , <b>2017</b> , 29, 1701583	24	379
296	Self-Assembly Core-Shell Graphene-Bridged Hollow MXenes Spheres 3D Foam with Ultrahigh Specific EM Absorption Performance. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1803938	15.6	366
295	Electromagnetic wave absorption properties of graphene modified with carbon nanotube/poly(dimethyl siloxane) composites. <i>Carbon</i> , <b>2014</b> , 73, 185-193	10.4	361
294	Electromagnetic properties of SiCN based ceramics and composites. <i>International Materials Reviews</i> , <b>2014</b> , 59, 326-355	16.1	357
293	Carbon Hollow Microspheres with a Designable Mesoporous Shell for High-Performance Electromagnetic Wave Absorption. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 6332-6341	9.5	319
292	Direct Growth of Edge-Rich Graphene with Tunable Dielectric Properties in Porous Si3N4 Ceramic for Broadband High-Performance Microwave Absorption. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1707205	15.6	294
291	Electromagnetic Wave Absorption Properties of Reduced Graphene Oxide Modified by Maghemite Colloidal Nanoparticle Clusters. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 19701-19711	3.8	287
290	Lightweight TiCT MXene/Poly(vinyl alcohol) Composite Foams for Electromagnetic Wave Shielding with Absorption-Dominated Feature. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 10198-10207	9.5	266
289	Flexible and Thermostable Graphene/SiC Nanowire Foam Composites with Tunable Electromagnetic Wave Absorption Properties. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 11803-11810	8.5	231
288	Laminated and Two-Dimensional Carbon-Supported Microwave Absorbers Derived from MXenes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 20038-20045	9.5	229
287	Ti3C2 MXenes modified with in situ grown carbon nanotubes for enhanced electromagnetic wave absorption properties. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 4068-4074	7.1	224
286	Mesoporous carbon hollow microspheres with red blood cell like morphology for efficient microwave absorption at elevated temperature. <i>Carbon</i> , <b>2018</b> , 132, 343-351	10.4	189
285	Constructing hollow graphene nano-spheres confined in porous amorphous carbon particles for achieving full X band microwave absorption. <i>Carbon</i> , <b>2019</b> , 142, 346-353	10.4	178
284	Hierarchical graphene/SiC nanowire networks in polymer-derived ceramics with enhanced electromagnetic wave absorbing capability. <i>Journal of the European Ceramic Society</i> , <b>2016</b> , 36, 2695-2703	6	166

283	Synthesis and microwave absorption properties of SiC nanowires reinforced SiOC ceramic. <i>Journal of the European Ceramic Society</i> , <b>2014</b> , 34, 257-266	6	164
282	Fabrication and electromagnetic interference shielding effectiveness of carbon nanotube reinforced carbon fiber/pyrolytic carbon composites. <i>Carbon</i> , <b>2014</b> , 68, 501-510	10.4	154
281	3D printed electrochemical energy storage devices. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 4230-4258	13	152
280	Mechanical and electromagnetic shielding properties of carbon fiber reinforced silicon carbide matrix composites. <i>Carbon</i> , <b>2015</b> , 95, 10-19	10.4	148
279	Macroscopic bioinspired graphene sponge modified with in-situ grown carbon nanowires and its electromagnetic properties. <i>Carbon</i> , <b>2017</b> , 111, 94-102	10.4	144
278	In-situ synthesis of hierarchically porous and polycrystalline carbon nanowires with excellent microwave absorption performance. <i>Carbon</i> , <b>2016</b> , 107, 36-45	10.4	140
277	Anisotropic MXene Aerogels with a Mechanically Tunable Ratio of Electromagnetic Wave Reflection to Absorption. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900267	8.1	138
276	Electromagnetic Wave Absorption Properties of ZnO-Based Materials Modified with ZnAl <sub>2</sub> O <sub>4</sub> Nanograins. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 2135-2146	3.8	135
275	Electrospinning of Fe/SiC Hybrid Fibers for Highly Efficient Microwave Absorption. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 7265-7271	9.5	128
274	A controllable heterogeneous structure and electromagnetic wave absorption properties of Ti <sub>2</sub> CTx MXene. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 7621-7628	7.1	121
273	Ultralight lamellar amorphous carbon foam nanostructured by SiC nanowires for tunable electromagnetic wave absorption. <i>Carbon</i> , <b>2017</b> , 122, 718-725	10.4	113
272	Ultralight MXene-Coated, Interconnected SiCnws Three-Dimensional Lamellar Foams for Efficient Microwave Absorption in the X-Band. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 34524-34533	9.5	110
271	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> , <b>2018</b> , 5, 1700870	13.6	108
270	MXene Nanofibers as Highly Active Catalysts for Hydrogen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 8976-8982	8.3	103
269	Improved dielectric and electromagnetic interference shielding properties of ferrocene-modified polycarbosilane derived SiC/C composite ceramics. <i>Journal of the European Ceramic Society</i> , <b>2014</b> , 34, 2187-2201	6	97
268	The applications of carbon nanotubes and graphene in advanced rechargeable lithium batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 8932-8951	13	90
267	Flexible SiC/SiN Composite Nanofibers with in Situ Embedded Graphite for Highly Efficient Electromagnetic Wave Absorption. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 28844-28858	9.5	85
266	One-dimensional carbon/SiC nanocomposites with tunable dielectric and broadband electromagnetic wave absorption properties. <i>Carbon</i> , <b>2017</b> , 125, 207-220	10.4	84

265	Core/shell structured C/ZnO nanoparticles composites for effective electromagnetic wave absorption. <i>RSC Advances</i> , <b>2016</b> , 6, 6467-6474	3.7	84
264	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> , <b>2018</b> , 6, 16617-16626	13	84
263	Constructing a tunable heterogeneous interface in bimetallic metal-organic frameworks derived porous carbon for excellent microwave absorption performance. <i>Carbon</i> , <b>2019</b> , 148, 421-429	10.4	70
262	Deposition Mechanism for Chemical Vapor Deposition of Zirconium Carbide Coatings. <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 1249-1252	3.8	70
261	2D-Layered Carbon/TiO <sub>2</sub> Hybrids Derived from Ti <sub>3</sub> C <sub>2</sub> MXenes for Photocatalytic Hydrogen Evolution under Visible Light Irradiation. <i>Advanced Materials Interfaces</i> , <b>2017</b> , 4, 1700577	4.6	67
260	Polymer-ceramic conversion of a highly branched liquid polycarbosilane for SiC-based ceramics. <i>Journal of Materials Science</i> , <b>2008</b> , 43, 2806-2811	4.3	67
259	Enhanced Flexibility and Microwave Absorption Properties of HfC/SiC Nanofiber Mats. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 29876-29883	9.5	66
258	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> , <b>2020</b> , 5, 692-700	20.1	63
257	Ultralight Cellular Foam from Cellulose Nanofiber/Carbon Nanotube Self-Assemblies for Ultrabroad-Band Microwave Absorption. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 22628-22636	9.5	62
256	3D Structural Strengthening Urchin-Like Cu(OH) <sub>2</sub> -Based Symmetric Supercapacitors with Adjustable Capacitance. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1903588	15.6	60
255	Controllable synthesis of defective carbon nanotubes/Sc <sub>2</sub> Si <sub>2</sub> O <sub>7</sub> ceramic with adjustable dielectric properties for broadband high-performance microwave absorption. <i>Carbon</i> , <b>2019</b> , 147, 276-283	10.4	59
254	Three-Dimensional Printing of Ti <sub>3</sub> SiC <sub>2</sub> -Based Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2011</b> , 94, 969-972	3.8	59
253	Effect of Aluminum Doping on Microwave Absorption Properties of ZnO/ZrSiO <sub>4</sub> Composite Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2012</b> , 95, 3158-3165	3.8	57
252	Flexible, hydrophobic SiC ceramic nanofibers used as high frequency electromagnetic wave absorbers. <i>Ceramics International</i> , <b>2017</b> , 43, 7424-7435	5.1	56
251	Fe-doped SiC/SiO <sub>2</sub> composites with ordered inter-filled structure for effective high-temperature microwave attenuation. <i>Materials and Design</i> , <b>2016</b> , 92, 563-570	8.1	55
250	Ablation Resistance of Different Coating Structures for C/ZrB <sub>2</sub> /SiC Composites Under Oxyacetylene Torch Flame. <i>International Journal of Applied Ceramic Technology</i> , <b>2009</b> , 6, 145-150	2	55
249	SiC Nanofiber Mat: A Broad-Band Microwave Absorber, and the Alignment Effect. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 43072-43080	9.5	54
248	High-temperature dielectric and microwave absorption properties of Si <sub>3</sub> N <sub>4</sub> /SiC/SiO <sub>2</sub> composite ceramics. <i>Journal of Materials Science</i> , <b>2015</b> , 50, 1478-1487	4.3	54

247	3D printing of structured electrodes for rechargeable batteries. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 10670-10694	13	48
246	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> , <b>2018</b> , 54, 2755-2758	5.8	45
245	The Oxidation Behavior of SiC/ZrC/SiC-Coated C/SiC Minicomposites at Ultrahigh Temperatures. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 3990-3992	3.8	45
244	Microstructure and Mechanical Properties of Lu <sub>2</sub> O <sub>3</sub> -Doped Porous Silicon Nitride Ceramics Using Phenolic Resin as Pore-Forming Agent. <i>International Journal of Applied Ceramic Technology</i> , <b>2009</b> , 7, 391-398	2.398	44
243	Mechanical and dielectric properties of porous and wave-transparent Si <sub>3</sub> N <sub>4</sub> -Si <sub>3</sub> N <sub>4</sub> composite ceramics fabricated by 3D printing combined with chemical vapor infiltration. <i>Journal of Advanced Ceramics</i> , <b>2019</b> , 8, 399-407	10.7	43
242	Electromagnetic properties of SiO <sub>2</sub> reinforced with both multi-wall carbon nanotubes and ZnO particles. <i>Carbon</i> , <b>2013</b> , 64, 541-544	10.4	43
241	Optically transparent and flexible broadband microwave metamaterial absorber with sandwich structure. <i>Applied Physics A: Materials Science and Processing</i> , <b>2019</b> , 125, 1	2.6	41
240	Morphology Design of Co-electrospinning MnO-VN/C Nanofibers for Enhancing the Microwave Absorption Performances. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 13208-13216	9.5	41
239	Prediction of stable hafnium carbides: Stoichiometries, mechanical properties, and electronic structure. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	41
238	Dielectric and Electromagnetic Wave Absorbing Properties of Two Types of SiC Fibres with Different Compositions. <i>Journal of Materials Science and Technology</i> , <b>2013</b> , 29, 55-58	9.1	41
237	Water Vapor Corrosion Behavior of Scandium Silicates at 1400°C. <i>Journal of the American Ceramic Society</i> , <b>2009</b> , 92, 193-196	3.8	41
236	Tailoring strength and modulus by 3D printing different continuous fibers and filled structures into composites. <i>Advanced Composites and Hybrid Materials</i> , <b>2019</b> , 2, 312-319	8.7	39
235	The microstructure and electromagnetic wave absorption properties of near-stoichiometric SiC fibre. <i>Ceramics International</i> , <b>2017</b> , 43, 3267-3273	5.1	39
234	Polymer-Derived SiO <sub>2</sub> /Barium/Strontium aluminosilicate Coatings as an Environmental Barrier for C/SiC Composites. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 4148-4152	3.8	38
233	Effects of SiC fibers on microwave absorption and electromagnetic interference shielding properties of SiCf/SiCN composites. <i>Ceramics International</i> , <b>2016</b> , 42, 19237-19244	5.1	38
232	Evolutionary search for new high-k dielectric materials: methodology and applications to hafnia-based oxides. <i>Acta Crystallographica Section C, Structural Chemistry</i> , <b>2014</b> , 70, 76-84	0.8	37
231	A hierarchical oxygen vacancy-rich WO <sub>3</sub> with nanowire-array-on-nanosheet-array structure for highly efficient oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 6730-6739	13	35
230	Adsorption of atomic and molecular oxygen on 3C-SiC(111) and (111) surfaces: A first-principles study. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	34

229	Reduced Graphene Oxide/Silicon Nitride Composite for Cooperative Electromagnetic Absorption in Wide Temperature Spectrum with Excellent Thermal Stability. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 5364-5372	9.5	33
228	A sheath-core shaped ZrO <sub>2</sub> -SiC/SiO <sub>2</sub> fiber felt with continuously distributed SiC for broad-band electromagnetic absorption. <i>Chemical Engineering Journal</i> , <b>2021</b> , 419, 129414	14.7	33
227	Influence of temperature on dielectric properties and microwave absorbing performances of TiC nanowires/SiO <sub>2</sub> composites. <i>Ceramics International</i> , <b>2014</b> , 40, 15391-15397	5.1	32
226	Tunable dielectric properties of mesoporous carbon hollow microspheres via textural properties. <i>Nanotechnology</i> , <b>2018</b> , 29, 184003	3.4	31
225	A novel SiC-based microwave absorption ceramic with Sc <sub>2</sub> Si <sub>2</sub> O <sub>7</sub> as transparent matrix. <i>Journal of the European Ceramic Society</i> , <b>2018</b> , 38, 4189-4197	6	31
224	Tensile Performance and Damage Evolution of a 2.5-D C/SiC Composite Characterized by Acoustic Emission. <i>Applied Composite Materials</i> , <b>2008</b> , 15, 183-188	2	31
223	A 3D-printed stretchable structural supercapacitor with active stretchability/flexibility and remarkable volumetric capacitance. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 13646-13658	13	30
222	Morphologies and growth mechanisms of zirconium carbide films by chemical vapor deposition <b>2009</b> , 6, 269-273		30
221	High temperature electromagnetic interference shielding of lightweight and flexible ZrC/SiC nanofiber mats. <i>Chemical Engineering Journal</i> , <b>2021</b> , 404, 126521	14.7	29
220	The microstructure of SiCN ceramics and their excellent electromagnetic wave absorbing properties. <i>Ceramics International</i> , <b>2015</b> , 41, 11372-11378	5.1	28
219	Mechanical Behavior and Electromagnetic Interference Shielding Properties of C/SiC//i3Si(Al)C <sub>2</sub> . <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 1717-1724	3.8	28
218	Oxidation behavior of SiBC matrix modified C/SiC composites with different PyC interphase thicknesses. <i>Ceramics International</i> , <b>2015</b> , 41, 1695-1700	5.1	27
217	Thermodynamics of the gas-phase reactions in chemical vapor deposition of silicon carbide with methyltrichlorosilane precursor. <i>Theoretical Chemistry Accounts</i> , <b>2009</b> , 122, 1-22	1.9	27
216	Sandwich-like SiC <sub>n</sub> /C/Si <sub>3</sub> N <sub>4</sub> porous layered composite for full X-band electromagnetic wave absorption at elevated temperature. <i>Composites Part B: Engineering</i> , <b>2020</b> , 183, 107629	10	26
215	Superhydrophobic Self-Cleaning Hierarchical Micro-/Nanocomposite Coating with High Corrosion Resistance and Durability. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 4111-4121	8.3	26
214	Crystallization Mechanism of CVD Si <sub>3</sub> N <sub>4</sub> /SiCN Composite Ceramics Annealed in N <sub>2</sub> Atmosphere and Their Excellent EMW Absorption Properties. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 2672-2679	3.8	26
213	Microstructures and mechanical properties of three-dimensional ceramic filler modified carbon/carbon composites. <i>Ceramics International</i> , <b>2014</b> , 40, 399-408	5.1	25
212	Microstructure, Thermophysical, and Ablative Performances of a 3D Needled C/C/SiC Composite. <i>International Journal of Applied Ceramic Technology</i> , <b>2010</b> , 7, 197-206	2	25

211	CNT/SiC composites produced by direct matrix infiltration of self-assembled CNT sponges. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 8401-8411	4.3	24
210	Effect of Surface Microstructures on the Infrared Emissivity of Graphite. <i>International Journal of Thermophysics</i> , <b>2014</b> , 35, 62-75	2.1	24
209	In situ growth of one-dimensional carbon-rich SiC nanowires in porous Sc <sub>2</sub> Si <sub>2</sub> O <sub>7</sub> ceramics with excellent microwave absorption properties. <i>Ceramics International</i> , <b>2018</b> , 44, 22784-22793	5.1	24
208	Carbon Nanotubes Grown on Flax Fabric as Hierarchical All-Carbon Flexible Electrodes for Supercapacitors. <i>Advanced Materials Interfaces</i> , <b>2017</b> , 4, 1601123	4.6	23
207	Nondestructive Evaluation and Mechanical Characterization of a Defect-Embedded Ceramic Matrix Composite Laminate. <i>International Journal of Applied Ceramic Technology</i> , <b>2007</b> , 4, 378-386	2	23
206	Molecule editable 3D printed polymer-derived ceramics. <i>Coordination Chemistry Reviews</i> , <b>2020</b> , 422, 213486	4.8	23
205	Ultralight and flexible SiC nanoparticle-decorated carbon nanofiber mats for broad-band microwave absorption. <i>Carbon</i> , <b>2021</b> , 171, 474-483	10.4	23
204	Hot Corrosion Behavior of Barium Aluminosilicate-Coated C/SiC Composites at 900°C. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 204-208	3.8	22
203	Fabrication and electromagnetic interference shielding effectiveness of Ti <sub>3</sub> Si(Al)C <sub>2</sub> modified Al <sub>2</sub> O <sub>3</sub> /SiC composites. <i>Ceramics International</i> , <b>2016</b> , 42, 9448-9454	5.1	21
202	Microstructure and Mechanical Properties of SiC and Carbon Hybrid Fiber Reinforced SiC Matrix Composite. <i>International Journal of Applied Ceramic Technology</i> , <b>2011</b> , 8, 308-316	2	21
201	Effect of curing and pyrolysis processing on the ceramic yield of a highly branched polycarbosilane. <i>Journal of Materials Science</i> , <b>2009</b> , 44, 721-725	4.3	21
200	UV curing behavior of a highly branched polycarbosilane. <i>Journal of Materials Science</i> , <b>2009</b> , 44, 970-975	4.3	21
199	Preparation and Mechanical Properties of Carbon Fiber Reinforced (BC x SiC) n Multilayered Matrix Composites. <i>Applied Composite Materials</i> , <b>2007</b> , 14, 277-286	2	21
198	Oxidation Protective Multilayer CVD SiC Coatings Modified by a Graphitic B-C Interlayer for 3D C/SiC Composite. <i>Applied Composite Materials</i> , <b>2006</b> , 13, 397-406	2	21
197	Optimized design of high-temperature microwave absorption properties of CNTs/Sc <sub>2</sub> Si <sub>2</sub> O <sub>7</sub> ceramics. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 823, 153864	5.7	20
196	Electromagnetic shielding behavior of heat-treated Ti <sub>3</sub> C <sub>2</sub> TX MXene accompanied by structural and phase changes. <i>Carbon</i> , <b>2020</b> , 165, 150-162	10.4	20
195	Braking Behavior of C/SiC Composites Prepared by Chemical Vapor Infiltration. <i>International Journal of Applied Ceramic Technology</i> , <b>2005</b> , 2, 114-121	2	20
194	Oxidation behavior of three-dimensional SiC/SiC composites in air and combustion environment. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2000</b> , 31, 1015-1020	8.4	20

193	Interface evolution of a C/ZnO absorption agent annealed at elevated temperature for tunable electromagnetic properties. <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 5305-5315	3.8	20
192	Effect of machining parameter on femtosecond laser drilling processing on SiC/SiC composites. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2018</b> , 96, 1795-1811	3.2	19
191	Effects of particle sizes and contents of ceramic fillers on tribological behavior of 3D C/C composites. <i>Ceramics International</i> , <b>2014</b> , 40, 14029-14037	5.1	19
190	SiCN-based composite ceramics fabricated by chemical vapor infiltration with excellent mechanical and electromagnetic properties. <i>Materials Letters</i> , <b>2013</b> , 111, 169-172	3.3	19
189	Thermodynamic Analysis on the Codeposition of SiC/BiN <sub>4</sub> Composite Ceramics by Chemical Vapor Deposition using SiCl <sub>4</sub> /NH <sub>3</sub> /CH <sub>4</sub> /H <sub>2</sub> /Ar Mixture Gases. <i>Journal of the American Ceramic Society</i> , <b>2013</b> , 96, 979-986	3.8	19
188	Efficient multiscale strategy for toughening HfB <sub>2</sub> ceramics: A heterogeneous ceramic/metal layered architecture. <i>Journal of the American Ceramic Society</i> , <b>2021</b> , 104, 1841-1851	3.8	19
187	Microstructure and mechanical properties of SiCP/SiC and SiCW/SiC composites by CVI. <i>Journal of Materials Science</i> , <b>2010</b> , 45, 392-398	4.3	18
186	Tailorable microwave absorption properties of RGO/SiC/CNT nanocomposites with 3D hierarchical structure. <i>Ceramics International</i> , <b>2020</b> , 46, 18160-18167	5.1	17
185	Microstructure and properties of dense Tyranno-ZMI SiC/SiC containing Ti <sub>3</sub> Si(Al)C <sub>2</sub> with plastic deformation toughening mechanism. <i>Journal of the European Ceramic Society</i> , <b>2018</b> , 38, 1069-1078	6	17
184	Microstructure and EMW absorption properties of CVI Si <sub>3</sub> N <sub>4</sub> /SiCN ceramics with BN interface annealed in N <sub>2</sub> atmosphere. <i>Journal of the American Ceramic Society</i> , <b>2018</b> , 101, 1201-1210	3.8	17
183	Comparison of oxidation resistance of NiCoCrAlTaY-coated and -uncoated Mar-M247 superalloys in the air at 1150 °C. <i>Journal of Materials Science</i> , <b>2012</b> , 47, 2278-2283	4.3	17
182	Comparison of Tensile Behaviors of Carbon/Ceramic Composites with Various Fiber Architectures. <i>International Journal of Applied Ceramic Technology</i> , <b>2013</b> , 10, 266-275	2	17
181	Infinite Approaching Superlubricity by Three-Dimensional Printed Structures. <i>ACS Nano</i> , <b>2021</b> , 15, 240-257	5.7	17
180	Flexible FeSi/SiC ultrathin hybrid fiber mats with designable microwave absorption performance. <i>RSC Advances</i> , <b>2018</b> , 8, 33574-33582	3.7	17
179	Anisotropic compressive properties of porous CNT/SiC composites produced by direct matrix infiltration of CNT aerogel. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 2243-2252	3.8	16
178	Effect of energy density and feeding speed on micro-holes drilling in SiC/SiC composites by picosecond laser. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2016</b> , 84, 1917-1925	3.2	16
177	Effect of energy density on the machining character of C/SiC composites by picosecond laser. <i>Applied Physics A: Materials Science and Processing</i> , <b>2014</b> , 116, 1221-1228	2.6	16
176	Effect of surface morphology and densification on the infrared emissivity of C/SiC composites. <i>Applied Surface Science</i> , <b>2014</b> , 313, 670-676	6.7	15



175	Oxidation Behavior of C/SiC Composite with CVD SiC-B4C Coating in a Wet Oxygen Environment. <i>Applied Composite Materials</i> , <b>2009</b> , 16, 83-92	2	15
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171	Mechanical and electrical properties of carbon nanotube buckypaper reinforced silicon carbide nanocomposites. <i>Ceramics International</i> , <b>2016</b> , 42, 4984-4992	5.1	14
170	Multiscale designed SiCf/Si3N4 composite for low and high frequency cooperative electromagnetic absorption. <i>Journal of the American Ceramic Society</i> , <b>2018</b> , 101, 5552-5563	3.8	14
169	The Microstructure and Dielectric Properties of SiBCN Ceramics Fabricated Via LPCVD/CVI. <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 2703-2706	3.8	14
168	Effect of Braking Speed on Friction and Wear Behaviors of C/C-SiC Composites. <i>International Journal of Applied Ceramic Technology</i> , <b>2007</b> , 4, 463-469	2	14
167	Microwave absorption properties of multilayer impedance gradient absorber consisting of Ti3C2TX MXene/polymer films. <i>Carbon</i> , <b>2021</b> , 181, 130-142	10.4	14
166	Internal Friction Behavior of C/SiC Composites with Environmental Barrier Coatings in Corrosive Environment. <i>International Journal of Applied Ceramic Technology</i> , <b>2011</b> , 8, 342-350	2	13
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157	Preparation and Properties of Self-Healing Coating for C/SiC Brake Materials. <i>International Journal of Applied Ceramic Technology</i> , <b>2008</b> , 5, 204-209	2	11
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149	Enhanced electromagnetic wave absorption properties of a novel SiC nanowires reinforced SiO <sub>2</sub> /3Al <sub>2</sub> O <sub>3</sub> /SiO <sub>2</sub> porous ceramic. <i>Ceramics International</i> , <b>2020</b> , 46, 22474-22481	5.1	9
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30	Characterization of the Microstructure of Three-Dimensional-Needled Carbon/Silicon Carbide Composites. <i>International Journal of Applied Ceramic Technology</i> , <b>2010</b> , 7, 821-829	2	1
29	Friction of a C/SiC Composite Bearing in Air and in Combustion Environments. <i>International Journal of Applied Ceramic Technology</i> , <b>2009</b> , 6, 171-181	2	1
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22	Ablation Behavior of ZrAl(Si) Layered Carbides Modified 3D Needled C/SiC Composites. <i>Advanced Engineering Materials</i> , <b>2019</b> , 21, 1800936	3.5	1
21	Enhanced microwave absorption properties of polymer-derived SiC/SiCN composite ceramics modified by TiC. <i>Journal of Materials Science: Materials in Electronics</i> , 1	2.1	1
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