

Shengtao Gao

List of Publications by Year in descending order

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18
papers

924
citations

623699

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839512

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18
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18
docs citations

18
times ranked

661
citing authors

#	ARTICLE	IF	CITATIONS
1	Porous flower-like NiO@graphene composites with superior microwave absorption properties. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2005-2014.	5.5	207
2	Controlled reduction synthesis of yolk-shell magnetic@void@C for electromagnetic wave absorption. <i>Chemical Engineering Journal</i> , 2020, 387, 124149.	12.7	167
3	N-doped residual carbon from coal gasification fine slag decorated with Fe ₃ O ₄ nanoparticles for electromagnetic wave absorption. <i>Journal of Materials Science and Technology</i> , 2022, 104, 98-108.	10.7	84
4	Reduced graphene oxide wrapped cube-like ZnSnO ₃ : As a high-performance microwave absorber. <i>Journal of Alloys and Compounds</i> , 2019, 777, 544-553.	5.5	74
5	Self-template and in-situ polymerization strategy to lightweight hollow MnO ₂ @polyaniline core-shell heterojunction with excellent microwave absorption properties. <i>Applied Surface Science</i> , 2021, 537, 147857.	6.1	56
6	The microwave absorption properties of residual carbon from coal gasification fine slag. <i>Fuel</i> , 2021, 290, 120050.	6.4	49
7	Metal-organic framework derived magnetic carbon Ni@C octahedron composite as an excellent microwave absorber. <i>Composites Communications</i> , 2022, 31, 101135.	6.3	46
8	In situ carbon nanotubes encapsulated metal Nickel as high-performance microwave absorber from Ni@Zn Metal-Organic framework derivative. <i>Journal of Alloys and Compounds</i> , 2019, 801, 609-618.	5.5	44
9	Hierarchical core-shell Fe ₃ O ₄ @C@MoS ₂ composites synergistically enhance microwave absorption. <i>Materials Letters</i> , 2019, 246, 80-83.	2.6	35
10	Dielectric regulation of high-graphitized fine ash wrapped cube-like ZnSnO ₃ composites with boosted microwave absorption performance. <i>Ceramics International</i> , 2021, 47, 4994-5002.	4.8	27
11	Fe nanoparticles decorated in residual carbon from coal gasification fine slag as an ultra-thin wideband microwave absorber. <i>Composites Science and Technology</i> , 2021, 213, 108921.	7.8	27
12	Nanoferric tetroxide decorated N-doped residual carbon from entrained-flow coal gasification fine slag for enhancing the electromagnetic wave absorption capacity. <i>Journal of Alloys and Compounds</i> , 2021, 874, 159878.	5.5	26
13	Synergistic effect of hexagonal flake Co ₃ O ₄ @PANI core-shell composites with excellent microwave-absorbing properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 3386-3395.	2.2	25
14	A study on the chemical state of carbon present in fine ash from gasification. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2019, 14, e2336.	1.5	22
15	Synthesis of Cu ₂ O/multi-walled carbon nanotube hybrid material and its microwave absorption performance. <i>Research on Chemical Intermediates</i> , 2018, 44, 3425-3435.	2.7	15
16	Evaluation of graphitization and tensile property in microwave plasma treated carbon fiber. <i>Diamond and Related Materials</i> , 2022, 126, 109094.	3.9	8
17	PANI-wrapped high-graphitized residual carbon hybrid with boosted electromagnetic wave absorption performance. <i>Synthetic Metals</i> , 2022, 287, 117077.	3.9	6
18	FeO Nanoparticle/Coal Gasification Fine Slag Hybrids for Electromagnetic Wave Absorbers. <i>ACS Applied Nano Materials</i> , 2022, 5, 7767-7777.	5.0	6