Zigang Deng

List of Publications by Citations

172 papers	1,842 citations	21 h-index	36 g-index
178 ext. papers	2,121 ext. citations	2.1 avg, IF	5.05 L-index

#	Paper	IF	Citations
172	. *IEEE Transactions on Applied Superconductivity*, **2016**, 26, 1-8	1.8	162
171	A High-Temperature Superconducting Maglev-Evacuated Tube Transport (HTS Maglev-ETT) Test System. *IEEE Transactions on Applied Superconductivity*, **2017**, 27, 1-8	1.8	117
170	Superconductivity and the environment: a Roadmap. *Superconductor Science and Technology*, **2013**, 26, 113001	3.1	95
169	A two-pole Halbach permanent magnet guideway for high temperature superconducting Maglev vehicle. *Physica C: Superconductivity and Its Applications*, **2007**, 463-465, 426-430	1.3	71
168	High-efficiency and low-cost permanent magnet guideway consideration for high-Tcsuperconducting Maglev vehicle practical application. *Superconductor Science and Technology*, **2008**, 21, 115018	3.1	65
167	Free Vibration of the High Temperature Superconducting Maglev Vehicle Model. *IEEE Transactions on Applied Superconductivity*, **2007**, 17, 2071-2074	1.8	53
166	A General Method to Simulate the Electromagnetic Characteristics of HTS Maglev Systems by Finite Element Software. *IEEE Transactions on Applied Superconductivity*, **2018**, 28, 1-8	1.8	47
165	Stability of the Maglev Vehicle Model Using Bulk High Tc Superconductors at Low Speed. *IEEE Transactions on Applied Superconductivity*, **2007**, 17, 2103-2106	1.8	43
164	Laboratory-Scale High Temperature Superconducting Maglev Launch System. *IEEE Transactions on Applied Superconductivity*, **2007**, 17, 2091-2094	1.8	37
163	Materials process and applications of single grain (RE)BaCuO bulk high-temperature superconductors. *Physica C: Superconductivity and Its Applications*, **2012**, 482, 50-57	1.3	32
162	Performance Advances of HTS Maglev Vehicle System in Three Essential Aspects. *IEEE Transactions on Applied Superconductivity*, **2009**, 19, 2137-2141	1.8	32
161	A genomics-led approach to deciphering the mechanism of thiotetronate antibiotic biosynthesis. *Chemical Science*, **2016**, 7, 376-385	9.4	31
160	Nonlinear vibration behaviors of high-Tc superconducting bulks in an applied permanent magnetic array field. *Journal of Applied Physics*, **2017**, 121, 243901	2.5	30
159	Lateral motion stability of high-temperature superconducting maglev systems derived from a nonlinear guidance force hysteretic model. *Superconductor Science and Technology*, **2018**, 31, 075010	3.1	28
158	High-Temperature Superconducting Magnetic Levitation Vehicles: Dynamic Characteristics While Running on a Ring Test Line. *IEEE Vehicular Technology Magazine*, **2017**, 12, 95-102	9.9	27
157	A High-Temperature Superconducting Maglev Dynamic Measurement System. *IEEE Transactions on Applied Superconductivity*, **2008**, 18, 791-794	1.8	26
156	Maglev performance of a double-layer bulk high temperature superconductor above a permanent magnet guideway. *Superconductor Science and Technology*, **2009**, 22, 055003	3.1	25

155	Development of a Cryogenic Helium-Neon Gas Mixture Cooling System for Use in a Gd-Bulk HTS Synchronous Motor. *IEEE Transactions on Applied Superconductivity*, **2011**, 21, 2213-2216	1.8	25
154	Dynamic Simulation of the HTS Maglev Vehicle-Bridge Coupled System Based on Levitation Force Experiment. *IEEE Transactions on Applied Superconductivity*, **2019**, 29, 1-6	1.8	24
153	Materials processing and machine applications of bulk HTS. *Superconductor Science and Technology*, **2010**, 23, 124001	3.1	24
152	Optimization and Design of the Permanent Magnet Guideway With the High Temperature Superconductor. *IEEE Transactions on Applied Superconductivity*, **2006**, 16, 1023-1026	1.8	24
151	Dynamic Simulation of the Vehicle/Bridge Coupled System in High-Temperature Superconducting Maglev. *Computing in Science and Engineering*, **2019**, 21, 60-71	1.5	20
150	. *IEEE Transactions on Applied Superconductivity*, **2012**, 22, 6800210-6800210	1.8	20
149	Modeling and identification of the hysteresis nonlinear levitation force in HTS maglev systems. *Superconductor Science and Technology*, **2020**, 33, 054001	3.1	19
148	. *IEEE Transactions on Applied Superconductivity*, **2012**, 22, 6800110-6800110	1.8	19
147	New magnetic rails with double-layer Halbach structure by employing NdFeB and ferrite magnets for HTS maglev. *Journal of Magnetism and Magnetic Materials*, **2018**, 445, 44-48	2.8	18
146	An efficient and economical way to enhance the performance of present HTS Maglev systems by utilizing the anisotropy property of bulk superconductors. *Superconductor Science and Technology*, **2013**, 26, 025001	3.1	17
145	Motion stability of the magnetic levitation and suspension with YBa2Cu3O7-x high-Tc superconducting bulks and NdFeB magnets. *Journal of Applied Physics*, **2017**, 122, 153902	2.5	17
144	Effect of cross passage on aerodynamic characteristics of super-high-speed evacuated tube transportation. *Journal of Wind Engineering and Industrial Aerodynamics*, **2021**, 211, 104562	3.7	17
143	Levitation Performance of YBCO Bulks in Supercooling Condition Under a Low-Pressure Environment. *IEEE Transactions on Applied Superconductivity*, **2017**, 27, 1-5	1.8	16
142	Curve Negotiation Performance of High-Temperature Superconducting Maglev Based on Guidance Force Experiments and Dynamic Simulations. *IEEE Transactions on Applied Superconductivity*, **2020**, 30, 1-11	1.8	16
141	Vibration Suppression of High-Temperature Superconducting Maglev System via Electromagnetic Shunt Damper. *Journal of Superconductivity and Novel Magnetism*, **2019**, 32, 2819-2828	1.5	15
140	Pulsed Field Magnetization Properties of Bulk RE-Ba-Cu-O as Pole-Field Magnets for HTS Rotating Machines. *IEEE Transactions on Applied Superconductivity*, **2011**, 21, 1180-1184	1.8	15
139	Effect Laws of Different Factors on Levitation Characteristics of High-Tc Superconducting Maglev System with Numerical Solutions. *Journal of Superconductivity and Novel Magnetism*, **2019**, 32, 2351-2358	1.5	15
138	Effect of Eddy Current Damper on the Dynamic Vibration Characteristics of High-Temperature Superconducting Maglev System. *IEEE Transactions on Applied Superconductivity*, **2017**, 27, 1-6	1.8	14

137	Optimization study of the Halbach permanent magnetic guideway for high temperature superconducting magnetic levitation. *Superconductor Science and Technology*, **2020**, 33, 034009	3.1	14
136	Dynamic levitation performance of GdBaCuO and YBaCuO bulk superconductors under a varying external magnetic field. *Superconductor Science and Technology*, **2018**, 31, 035010	3.1	14
135	VNP: Interactive Visual Network Pharmacology of Diseases, Targets, and Drugs. *CPT: Pharmacometrics and Systems Pharmacology*, **2014**, 3, e105	4.5	14
134	Improved Maglev Performance of Bulk High-Temperature Superconductors with a Re-magnetization Process After Zero-Field Cooling. *Journal of Low Temperature Physics*, **2011**, 162, 72-79	1.3	14
133	MgO buffer-layer-induced texture growth of REBaCuO bulk. *Superconductor Science and Technology*, **2012**, 25, 025022	3.1	13
132	Numerical Studies of Axial and Radial Magnetic Forces Between High Temperature Superconductors and a Magnetic Rotor. *Journal of Low Temperature Physics*, **2013**, 172, 299-309	1.3	12
131	Dynamic response characteristics of the high-temperature superconducting maglev system under lateral eccentric distance. *Cryogenics*, **2016**, 77, 1-7	1.8	12
130	Design and analysis of an electromagnetic turnout for the superconducting Maglev system. *Physica C: Superconductivity and Its Applications*, **2016**, 528, 84-89	1.3	12
129	Study on the Magnetic Field Inhomogeneity of a Halbach Permanent-Magnet Guideway Due to Different Defects. *IEEE Transactions on Applied Superconductivity*, **2016**, 26, 1-7	1.8	11
128	Performance Improvement of High Temperature Superconducting Maglev System by Eddy Current Damper. *IEEE Transactions on Applied Superconductivity*, **2009**, 19, 2148-2151	1.8	11
127	Vibration property dependence on the trapped flux of a bulk high-temperature superconductor. *Physica C: Superconductivity and Its Applications*, **2007**, 463-465, 1356-1360	1.3	11
126	Superconducting bulk magnet for maglev vehicle: Stable levitation performance above permanent magnet guideway. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2008**, 151, 117-121	3.1	11
125	Simulation and Experiment Research on the Dynamic Levitation Force of Bulk Superconductors Under a Varying External Magnetic Field. *IEEE Transactions on Applied Superconductivity*, **2019**, 29, 1-5	1.8	11
124	Vertical–Lateral Coupling Force Relation of the High-Temperature Superconducting Magnetic Levitation System. *IEEE Transactions on Applied Superconductivity*, **2021**, 31, 1-6	1.8	11
123	Magnetic and levitation characteristics of bulk high-temperature superconducting magnets above a permanent magnet guideway. *Superconductor Science and Technology*, **2016**, 29, 095009	3.1	10
122	Levitation Height Drifts of HTS Bulks under a Long-Term External Disturbance. *Journal of Superconductivity and Novel Magnetism*, **2019**, 32, 3803-3810	1.5	10
121	Numerical study on the influence of initial ambient temperature on the aerodynamic heating in the tube train system. *Advances in Aerodynamics*, **2020**, 2,	2.2	10
120	Vibration Characteristics of the HTS Maglev Vehicle Running on a 45-m-Long Ring Test Line. *IEEE Transactions on Applied Superconductivity*, **2016**, 26, 1-7	1.8	10

119	A Manned Hybrid Maglev Vehicle Applying Permanent Magnetic Levitation (PML) and Superconducting Magnetic Levitation (SML). *IEEE Transactions on Applied Superconductivity*, **2020**, 30, 1-7	1.8	10
118	Magnetic characteristics of permanent magnet guideways at low temperature and its effect on the levitation force of bulk YBaCuO superconductors. *Journal of Alloys and Compounds*, **2016**, 656, 77-81	5.7	9
117	The Effectiveness of Pulsed-Field Magnetization with Respect to Different Performance Bulk Superconductors. *Journal of Superconductivity and Novel Magnetism*, **2012**, 25, 61-66	1.5	9
116	Regional gray matter density associated with emotional conflict resolution: evidence from voxel-based morphometry. *Neuroscience*, **2014**, 275, 500-7	3.9	9
115	Characteristic study of high-Tc superconducting maglev under side-loading. *Physica C: Superconductivity and Its Applications*, **2009**, 469, 188-191	1.3	9
114	Subharmonic Resonance in Magnetic Levitation of the High-Temperature Superconducting Bulks YBa2Cu3O7-x Under Harmonic Excitation. *IEEE Transactions on Applied Superconductivity*, **2019**, 29, 1-8	1.8	9
113	Modeling study on high-temperature superconducting bulks' growth anisotropy effect on magnetization and levitation properties in applied magnetic fields. *Superconductor Science and Technology*, **2021**, 34, 035011	3.1	9
112	Dynamic Vibration Characteristics of HTS Levitation Systems Operating on a Permanent Magnet Guideway Test Line. *IEEE Transactions on Applied Superconductivity*, **2017**, 27, 1-5	1.8	8
111	Levitation Performance of the Second-Generation HTS Maglev Vehicle Serving in a Ring Test Line. *IEEE Transactions on Applied Superconductivity*, **2019**, 29, 1-5	1.8	8
110	Spatial and Temporal Flux-Trapping Properties of Bulk High Temperature Superconductors Under Static Magnetization Fields. *Journal of Superconductivity and Novel Magnetism*, **2015**, 28, 2385-2391	1.5	8
109	Study on the effect of transition curve to the dynamic characteristics of high-temperature superconducting maglev. *Physica C: Superconductivity and Its Applications*, **2015**, 519, 34-42	1.3	8
108	Levitation Force Transition of High-Tc Superconducting Bulks in Varying External Magnetic Field. *IEEE Transactions on Applied Superconductivity*, **2010**, 20, 920-923	1.8	8
107	The evaporation characteristics of liquid nitrogen coolant of HTS maglev in a low-pressure environment. *Vacuum*, **2016**, 129, 49-54	3.7	8
106	Comprehensive comparison of the levitation performance of bulk YBaCuO arrays above two different types of magnetic guideways. *Journal of Magnetism and Magnetic Materials*, **2016**, 420, 171-176	2.8	8
105	Dynamic Characteristics of the Manned Hybrid Maglev Vehicle Employing Permanent Magnetic Levitation (PML) and Superconducting Magnetic Levitation (SML). *IEEE Transactions on Applied Superconductivity*, **2019**, 29, 1-5	1.8	8
104	Magnetic levitation and guidance performance of YBaCuO and GdBaCuO bulk superconductors under low ambient pressure. *Journal Physics D: Applied Physics*, **2019**, 52, 365001	3	7
103	Dynamic Responses of HTS Maglev System Under Track Random Irregularity. *IEEE Transactions on Applied Superconductivity*, **2020**, 30, 1-7	1.8	7
102	Levitation Force of Bulk YBaCuO and GdBaCuO Under a Low-Pressure Environment. *IEEE Transactions on Applied Superconductivity*, **2018**, 28, 1-5	1.8	7

101	An Onboard Measurement System for Studying the Dynamic Running Characteristics of HTS Maglev. *IEEE Transactions on Applied Superconductivity*, **2018**, 28, 1-5	1.8	7
100	Effect of Eddy-Current Damper on the Dynamic Levitation Force in High-Temperature Superconducting Maglev System. *IEEE Transactions on Applied Superconductivity*, **2016**, 26, 1-7	1.8	7
99	Relaxation Properties of the Trapped Flux of Bulk High-Temperature Superconductors at Different Magnetization Levels. *Journal of Superconductivity and Novel Magnetism*, **2012**, 25, 331-338	1.5	7
98	Numerical Simulation and Experimental Analysis on the AC Losses of HTS Bulks Levitating Under a Varying External Magnetic Field. *IEEE Transactions on Applied Superconductivity*, **2019**, 29, 1-5	1.8	6
97	Design Optimization and Experimental Verification of an Electromagnetic Turnout for HTS Maglev Systems. *IEEE Transactions on Applied Superconductivity*, **2018**, 28, 1-5	1.8	6
96	Influence of Off-Centre Operation on the Performance of HTS Maglev. *Journal of Low Temperature Physics*, **2014**, 174, 292-300	1.3	6
95	Performance enhancement of GdBaCuO high temperature superconducting bulks by BaHfO3 as pinning centers. *Physica C: Superconductivity and Its Applications*, **2015**, 510, 54-56	1.3	6
94	A High-speed Running Test Platform for High-temperature Superconducting Maglev. *IEEE Transactions on Applied Superconductivity*, **2022**, 1-1	1.8	6
93	Dynamic Studies of the HTS Maglev Transit System. *IEEE Transactions on Applied Superconductivity*, **2021**, 31, 1-5	1.8	6
92	Levitation performance of different bulk YBaCuO arrays above a permanent magnet guideway for HTS maglev systems. *Journal of Alloys and Compounds*, **2017**, 705, 301-308	5.7	5
91	Basic design and characteristics study of a double-axial superconducting magnetic bearing system. *Cryogenics*, **2009**, 49, 259-262	1.8	5
90	A High-Tc Superconducting Maglev System Using T-Shaped Permanent Magnet Single-Guideway. *IEEE Transactions on Applied Superconductivity*, **2008**, 18, 795-798	1.8	5
89	Effect of tracks on the flow and heat transfer of supersonic evacuated tube maglev transportation. *Journal of Fluids and Structures*, **2021**, 107, 103413	3.1	5
88	Magnetic superelevation design of Halbach permanent magnet guideway for high-temperature superconducting maglev. *Physica C: Superconductivity and Its Applications*, **2017**, 538, 1-5	1.3	4
87	Characteristics of Dynamic Response of Balanced and Unbalanced High-Tc Superconducting Maglev System. *IEEE Transactions on Applied Superconductivity*, **2013**, 23, 3600404-3600404	1.8	4
86	Trapped field recovery of bulk superconductor magnets by static field magnetization. *Physica C: Superconductivity and Its Applications*, **2011**, 471, 1459-1463	1.3	4
85	Influence of grain boundary connectivity on the trapped magnetic flux of multi-seeded bulk superconductors. *Physica C: Superconductivity and Its Applications*, **2011**, 471, 504-508	1.3	4
84	Mechanical Turnouts for High-Tc Superconducting Maglev Vehicle **2009**,		4

83	Aerodynamic behaviors in supersonic evacuated tube transportation with different train nose lengths. *International Journal of Heat and Mass Transfer*, **2022**, 183, 122130	4.9	4
82	Magnetic Field Test on an Electromagnetic Turnout Prototype System for High-Tc Superconducting Maglev. *IEEE Transactions on Applied Superconductivity*, **2020**, 30, 1-6	1.8	4
81	. *IEEE Transactions on Applied Superconductivity*, **2021**, 1-1	1.8	4
80	The Stability of HTS Maglev Vehicle Through Grade Change Point. *IEEE Transactions on Applied Superconductivity*, **2021**, 31, 1-5	1.8	4
79	Design and Implementation of auto-filling liquid nitrogen for HTS maglev vehicles based on Kalman filter algorithm. *Cryogenics*, **2020**, 111, 103167	1.8	3
78	Levitation Force Characteristics of High-Temperature Superconducting Bulks in a High Magnetic Field. *IEEE Transactions on Applied Superconductivity*, **2020**, 30, 1-5	1.8	3
77	Magnetic Characteristics of Nd-Fe-B Permanent Magnets at High Temperature and the Effect of Temperature on High-Temperature Superconducting Levitation Performance. *IEEE Magnetics Letters*, **2020**, 11, 1-5	1.6	3
76	Feasibility of introducing ferromagnetic materials to onboard bulk high-Tc superconductors to enhance the performance of present maglev systems. *Physica C: Superconductivity and Its Applications*, **2013**, 485, 20-23	1.3	3
75	Correlations Between Magnetic Flux and Levitation Force of HTS Bulk Above a Permanent Magnet Guideway. *Journal of Low Temperature Physics*, **2017**, 189, 42-52	1.3	3
74	CASCA: A readout ASIC for a TPC based X-ray polarimeter **2015**,		3
73	A High-Temperature Superconducting Magnetic Helix Transmission Mechanism. *IEEE Transactions on Applied Superconductivity*, **2010**, 20, 8-13	1.8	3
72	A double-superconducting axial bearing system for an energy storage flywheel model. *Journal of Physics: Conference Series*, **2008**, 97, 012283	0.3	3
71	Preliminary Study of Aerodynamic Characteristics of High Temperature Superconducting Maglev-Evacuated Tube Transport System. *DEStech Transactions on Engineering and Technology Research*, **2017**,	0.6	3
70	Retrospective and perspectives of the superconducting magnetic levitation (sml) technology applied to urban transportation. *Transportation Systems and Technology*, **2018**, 4, 195-202	0.3	3
69	Vertical and lateral drift behavior of a linear superconducting magnetic bearing system under multi-operating modes. *Superconductor Science and Technology*, **2020**, 33, 084002	3.1	3
68	Experiments and Simulations of the Secondary Suspension System to Improve the Dynamic Characteristics of HTS Maglev. *IEEE Transactions on Applied Superconductivity*, **2021**, 31, 1-8	1.8	3
67	Overview of Electrodynamic Levitation Technique Applied to Maglev Vehicles. *IEEE Transactions on Applied Superconductivity*, **2021**, 31, 1-5	1.8	3
66	Working Principle and Primary Electromagnetic Characteristics of a Permanent Magnet Electrodynamic Wheel for Maglev Car Application. *IEEE Transactions on Applied Superconductivity*, **2021**, 31, 1-5	1.8	3

65	Dynamic Characteristics of the HTS Maglev Vehicle Running Under a Low-Pressure Environment. *IEEE Transactions on Applied Superconductivity*, **2019**, 29, 1-4	1.8	2
64	Cold Electronics System Development for ProtoDUNE-SP and SBND LAr TPC **2017**,		2
63	Lateral drift of the HTS Maglev vehicle running on a ring test line under low pressure environment. *Physica C: Superconductivity and Its Applications*, **2019**, 565, 1353509	1.3	2
62	Emulation and experimental analysis of an axial superconductor magnetic bearing. *Journal of Physics: Conference Series*, **2019**, 1293, 012084	0.3	2
61	Effect of the size of GdBCO-Ag secondary magnet on the static forces performance of linear synchronous motors. *Superconductor Science and Technology*, **2014**, 27, 115016	3.1	2
60	Trapped Flux Dependence of Bulk High-Temperature Superconductors Between 77 and 30 K under a Limited Excitation Field. *Journal of Superconductivity and Novel Magnetism*, **2014**, 27, 1413-1417	1.5	2
59	Levitation Performance of Rectangular Bulk Superconductor Arrays Above Applied Permanent-Magnet Guideways. *IEEE Transactions on Applied Superconductivity*, **2015**, 25, 1-6	1.8	2
58	Gap-related trapped magnetic flux dependence between single and combined bulk superconductors. *Physica C: Superconductivity and Its Applications*, **2011**, 471, 314-317	1.3	2
57	Research of Radial High Temperature Superconducting Magnetic Bearings for Cryogenic Liquid Pumps. *IEEE Transactions on Applied Superconductivity*, **2012**, 22, 5201604-5201604	1.8	2
56	Magnetic Brake Considerations for the High-T c Superconducting Maglev Vehicle System. *Journal of Superconductivity and Novel Magnetism*, **2010**, 23, 651-654	1.5	2
55	Prediction models establishment and comparison for guiding force of high-temperature superconducting maglev based on deep learning algorithms. *Superconductor Science and Technology*, **2022**, 35, 024005	3.1	2
54	A reconstructed three-dimensional HTS bulk electromagnetic model considering J c spatial inhomogeneity and its implementation in a bulks combination system. *Superconductor Science and Technology*,	3.1	2
53	Levitation performance of an onboard high-temperature superconducting bulk unit with cryocooler direct cooling. *Superconductor Science and Technology*, **2020**, 33, 094015	3.1	2
52	Design and Operating Mode Study of a New Concept Maglev Car Employing Permanent Magnet Electrodynamic Suspension Technology. *Sustainability*, **2021**, 13, 5827	3.6	2
51	A Two-Dimension Force Model Between High-Temperature Superconducting Bulk YBaCuO and Halbach-Type Permanent Magnet Guideway. *IEEE Transactions on Applied Superconductivity*, **2021**, 31, 1-8	1.8	2
50	Dynamic performance of HTS maglev and comparisons with another two types of high-speed railway vehicles. *Cryogenics*, **2021**, 117, 103321	1.8	2
49	Feasibility Study of a DC Linear Motor Based on the Magnet Track of High-Temperature Superconducting Maglev. *IEEE Transactions on Applied Superconductivity*, **2020**, 30, 1-5	1.8	2
48	Numerical Simulations on the Vertical Dynamic Characteristics of High-Temperature Superconducting Bulk. *Journal of Superconductivity and Novel Magnetism*, **2021**, 34, 683-694	1.5	2

47	Numerical Simulation of Dynamic Electromagnetic Characteristics of Superconducting Electrodynamic Suspension (EDS) Train. *IEEE Transactions on Applied Superconductivity*, **2021**, 31, 1-5	1.8	2
46	Design Optimization of the Electromagnetic Turnout by Using a Compensation Coil. *IEEE Transactions on Applied Superconductivity*, **2021**, 31, 1-4	1.8	2
45	Suspension Parameters Optimization of HTS Maglev Under Random Vibration. *IEEE Transactions on Applied Superconductivity*, **2021**, 31, 1-4	1.8	2
44	Influence of Electromagnetic Shunt Damper on Nonlinear Vibration of HTS Maglev System. *IEEE Transactions on Applied Superconductivity*, **2021**, 31, 1-4	1.8	2
43	Analysis and Experiment on the Levitation Force and Thrust Force Characteristics of a Permanent Magnet Electrodynamic Wheel for Maglev Car Application. *IEEE Transactions on Applied Superconductivity*, **2021**, 31, 1-4	1.8	2
42	The feasibility of designing a back propagation neural network to predict the levitation force of high-temperature superconducting magnetic levitation. *Superconductor Science and Technology*, **2022**, 35, 044004	3.1	2
41	Magnetic Signals of High-Temperature Superconductor Bulk During the Levitation Force Measurement Process. *Journal of Low Temperature Physics*, **2017**, 187, 287-297	1.3	1
40	Magnetic Characteristics of Single-Block and Multi-Block Nd-Fe-B Permanent Magnets at Low Temperature. *IEEE Magnetics Letters*, **2016**, 7, 1-5	1.6	1
39	Design Optimization of a Heavy-Load High-Temperature Superconducting Maglev System With Multiseeded YBaCuO Bulks. *IEEE Transactions on Applied Superconductivity*, **2017**, 27, 1-8	1.8	1
38	A magnetic levitation rotating plate model based on high-Tc superconducting technology. *Cryogenics*, **2017**, 86, 1-6	1.8	1
37	A sub-10ps resolution current discriminator for timing applications **2012**,		1
36	High-temperature superconducting guidance force enhancement by a novel permanent magnet guideway for maglev curve negotiation. *Journal of Alloys and Compounds*, **2022**, 902, 163809	5.7	1
35	The New High-Temperature Superconducting Maglev Vehicle Developed in ASCLab **2020**,		1
34	The magnetic and levitation characteristics of single-grain YBaCuO and GdBaCuO-Ag bulk superconductors in high magnetic fields. *Journal of Applied Physics*, **2021**, 130, 183904	2.5	1
33	Correlation Between Density and Levitation Performance of YBCO Bulk Superconductor over Halbach NdFeB Guideway. *IEEE Transactions on Applied Superconductivity*, **2021**, 1-1	1.8	1
32	Nonlinear Vibration Suppression of HTS Maglev Utilizing Electromagnetic Shunt Damper **2020**,		1
31	The mechanical characteristics and control of high temperature superconducting magnetic docking mechanism. *AIP Advances*, **2021**, 11, 055208	1.5	1
30	Active vibration control of secondary suspension based on high-temperature superconducting maglev vehicle system. *Physica C: Superconductivity and Its Applications*, **2021**, 585, 1353872	1.3	1

29	Magnetic force characteristics enhancement by a novel permanent magnetic levitation (PML) analysis method for hybrid maglev. *Journal of Magnetism and Magnetic Materials*, **2021**, 529, 167888	2.8	1
28	Dynamic Liquid Nitrogen Level Detection of Cryostats Onboard the HTS Maglev Vehicle. *IEEE Transactions on Applied Superconductivity*, **2019**, 29, 1-4	1.8	1
27	Guidance Force and Its Hysteresis of YBCO Bulks Under a Low-Pressure Environment. *IEEE Transactions on Applied Superconductivity*, **2019**, 29, 1-5	1.8	1
26	Recent Activities of HTS Maglev in ASCLab **2018**,		1
25	Numerical Simulation and Parameter Identification of Dynamic Levitation Force of HTS Pinning Maglev for Engineering Application. *Journal of Superconductivity and Novel Magnetism*, **2021**, 34, 2753	1.5	1
24	An Ultra-High-Speed Maglev Test Rig Designed for HTS Pinning Levitation and Electrodynamic Levitation. *IEEE Transactions on Applied Superconductivity*, **2021**, 31, 1-5	1.8	1
23	Effect of Air Pressure on Aerodynamic Characteristics of the HTS Maglev Running in a Tube. *IEEE Transactions on Applied Superconductivity*, **2021**, 31, 1-4	1.8	1
22	Levitation Characteristics of High-Temperature Superconducting Bulks of Different Orientations and Arrays. *IEEE Transactions on Applied Superconductivity*, **2022**, 32, 1-5	1.8	1
21	A High-Temperature Superconducting Maglev Turnout Based on a Permanent Magnet Device. *IEEE Transactions on Applied Superconductivity*, **2022**, 32, 1-5	1.8	1
20	Vibration States Detection of HTS Pinning Maglev System Based on Deep Learning Algorithm. *IEEE Transactions on Applied Superconductivity*, **2022**, 32, 1-6	1.8	1
19	Stiffness characteristic of high temperature superconducting upper maglev system. *Mechanical Systems and Signal Processing*, **2022**, 167, 108614	7.8	0
18	A Measurement Testing Setup of the Characteristic Properties for High Temperature Superconducting bearing Systems. *Physics Procedia*, **2012**, 36, 1020-1024		
17	FLUX TRAPPING PROPERTIES OF BULK HIGH-TC SUPERCONDUCTORS IN STATIC FIELD-COOLING MAGNETIZATION. *International Journal of Modern Physics B*, **2013**, 27, 1362026	1.1	
16	A High-Temperature Superconducting Magnetic Transmission Device. *IEEE Transactions on Applied Superconductivity*, **2009**, 19, 3744-3749	1.8	
15	Design of the Onboard Cryogenic System for High-Temperature Superconducting Maglev Vehicle. *IEEE Transactions on Applied Superconductivity*, **2022**, 1-1	1.8	
14	Theoretical optimization and experimental verification of a non-contact damper for high temperature superconducting Maglev systems. *JVC/Journal of Vibration and Control*,107754632110501	2	
13	Magnetic Float Liquid Level Detection Method for High-Temperature Superconducting Flux-Pinning Maglev System. *IEEE Transactions on Applied Superconductivity*, **2021**, 1-1	1.8	
12	Dynamic simulation of HTS maglev vehicle/track coupled based on discrete elastic support track model. *Physica C: Superconductivity and Its Applications*, **2022**, 592, 1353997	1.3	

List of Publications

11	Measurement and Characterization Method of Permanent Magnetic Guideway Irregularity in HTS Maglev System. *IEEE Transactions on Applied Superconductivity*, **2021**, 1-1	1.8
10	Design and Dynamic Analysis of the Sightseeing Vehicle Bogie Using HTS Maglev Technology. *IEEE Transactions on Applied Superconductivity*, **2022**, 32, 1-7	1.8
9	Numerical Study on the Influence of the Speed on the Aerodynamic Thermal in the HTS Maglev Evacuated Tube Transport System. *IEEE Transactions on Applied Superconductivity*, **2021**, 31, 1-4	1.8
8	Vibration Characteristics of the New High-Temperature Superconducting Maglev Vehicle Based on Operation Test. *IEEE Transactions on Applied Superconductivity*, **2021**, 31, 1-4	1.8
7	. *IEEE Transactions on Applied Superconductivity*, **2021**, 31, 1-4	1.8
6	Vibration Characteristics of HTS Maglev System Levitated Above a Halbach Permanent Magnet Track. *IEEE Transactions on Applied Superconductivity*, **2022**, 1-1	1.8
5	Dynamic Response of HTS Pinning Maglev System Under High Frequency Excitation. *IEEE Transactions on Applied Superconductivity*, **2022**, 1-1	1.8
4	A field cooling method to increase the suspension force of HTS pinning maglev system. *Cryogenics*, **2022**, 123, 103448	1.8
3	The SCML-05 Developed for Studying the 3D Force and PMG Irregularities Characteristics of HTS Maglev. *IEEE Transactions on Applied Superconductivity*, **2022**, 32, 1-5	1.8
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