

# Zigang Deng

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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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.

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	Design of the Onboard Cryogenic System for High-Temperature Superconducting Maglev Vehicle. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2022</b> , 1-1	1.8	
171	A High-speed Running Test Platform for High-temperature Superconducting Maglev. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2022</b> , 1-1	1.8	6
170	Prediction models establishment and comparison for guiding force of high-temperature superconducting maglev based on deep learning algorithms. <i>Superconductor Science and Technology</i> , <b>2022</b> , 35, 024005	3.1	2
169	High-temperature superconducting guidance force enhancement by a novel permanent magnet guideway for maglev curve negotiation. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 902, 163809	5.7	1
168	Dynamic simulation of HTS maglev vehicle/track coupled based on discrete elastic support track model. <i>Physica C: Superconductivity and Its Applications</i> , <b>2022</b> , 592, 1353997	1.3	
167	Stiffness characteristic of high temperature superconducting upper maglev system. <i>Mechanical Systems and Signal Processing</i> , <b>2022</b> , 167, 108614	7.8	0
166	Design and Dynamic Analysis of the Sightseeing Vehicle Bogie Using HTS Maglev Technology. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2022</b> , 32, 1-7	1.8	
165	Aerodynamic behaviors in supersonic evacuated tube transportation with different train nose lengths. <i>International Journal of Heat and Mass Transfer</i> , <b>2022</b> , 183, 122130	4.9	4
164	Vibration Characteristics of HTS Maglev System Levitated Above a Halbach Permanent Magnet Track. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2022</b> , 1-1	1.8	
163	Dynamic Response of HTS Pinning Maglev System Under High Frequency Excitation. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2022</b> , 1-1	1.8	
162	The feasibility of designing a back propagation neural network to predict the levitation force of high-temperature superconducting magnetic levitation. <i>Superconductor Science and Technology</i> , <b>2022</b> , 35, 044004	3.1	2
161	A field cooling method to increase the suspension force of HTS pinning maglev system. <i>Cryogenics</i> , <b>2022</b> , 123, 103448	1.8	
160	The SCML-05 Developed for Studying the 3D Force and PMG Irregularities Characteristics of HTS Maglev. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2022</b> , 32, 1-5	1.8	
159	Vibration Suppression of HTS Maglev System Based on Negative Resistance Electromagnetic Shunt Damper. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2022</b> , 32, 1-5	1.8	
158	Levitation Characteristics of High-Temperature Superconducting Bulks of Different Orientations and Arrays. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2022</b> , 32, 1-5	1.8	1
157	Influence of Traction Rod Arrangement on the Dynamic Performance of High-Temperature Superconducting Maglev Vehicle. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2022</b> , 32, 1-5	1.8	
156	A High-Temperature Superconducting Maglev Turnout Based on a Permanent Magnet Device. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2022</b> , 32, 1-5	1.8	1

155	Vibration States Detection of HTS Pinning Maglev System Based on Deep Learning Algorithm. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2022</b> , 32, 1-6	1.8	1
154	Magnetic Float Liquid Level Detection Method for High-Temperature Superconducting Flux-Pinning Maglev System. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2021</b> , 1-1	1.8	
153	The magnetic and levitation characteristics of single-grain YBaCuO and GdBaCuO-Ag bulk superconductors in high magnetic fields. <i>Journal of Applied Physics</i> , <b>2021</b> , 130, 183904	2.5	1
152	Measurement and Characterization Method of Permanent Magnetic Guideway Irregularity in HTS Maglev System. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2021</b> , 1-1	1.8	
151	Correlation Between Density and Levitation Performance of YBCO Bulk Superconductor over Halbach NdFeB Guideway. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2021</b> , 1-1	1.8	1
150	Effect of tracks on the flow and heat transfer of supersonic evacuated tube maglev transportation. <i>Journal of Fluids and Structures</i> , <b>2021</b> , 107, 103413	3.1	5
149	Effect of cross passage on aerodynamic characteristics of super-high-speed evacuated tube transportation. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2021</b> , 211, 104562	3.7	17
148	Design and Operating Mode Study of a New Concept Maglev Car Employing Permanent Magnet Electrodynamic Suspension Technology. <i>Sustainability</i> , <b>2021</b> , 13, 5827	3.6	2
147	The mechanical characteristics and control of high temperature superconducting magnetic docking mechanism. <i>AIP Advances</i> , <b>2021</b> , 11, 055208	1.5	1
146	Active vibration control of secondary suspension based on high-temperature superconducting maglev vehicle system. <i>Physica C: Superconductivity and Its Applications</i> , <b>2021</b> , 585, 1353872	1.3	1
145	A Two-Dimension Force Model Between High-Temperature Superconducting Bulk YBaCuO and Halbach-Type Permanent Magnet Guideway. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2021</b> , 31, 1-8	1.8	2
144	Dynamic performance of HTS maglev and comparisons with another two types of high-speed railway vehicles. <i>Cryogenics</i> , <b>2021</b> , 117, 103321	1.8	2
143	Magnetic force characteristics enhancement by a novel permanent magnetic levitation (PML) analysis method for hybrid maglev. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2021</b> , 529, 167888	2.8	1
142	Vertical/Lateral Coupling Force Relation of the High-Temperature Superconducting Magnetic Levitation System. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2021</b> , 31, 1-6	1.8	11
141	Numerical Simulations on the Vertical Dynamic Characteristics of High-Temperature Superconducting Bulk. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2021</b> , 34, 683-694	1.5	2
140	. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2021</b> , 1-1	1.8	4
139	Modeling study on high-temperature superconducting bulk growth anisotropy effect on magnetization and levitation properties in applied magnetic fields. <i>Superconductor Science and Technology</i> , <b>2021</b> , 34, 035011	3.1	9
138	Numerical Simulation of Dynamic Electromagnetic Characteristics of Superconducting Electrodynamic Suspension (EDS) Train. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2021</b> , 31, 1-5	1.8	2

137	The Stability of HTS Maglev Vehicle Through Grade Change Point. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2021</b> , 31, 1-5	1.8	4
136	Dynamic Studies of the HTS Maglev Transit System. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2021</b> , 31, 1-5	1.8	6
135	Numerical Simulation and Parameter Identification of Dynamic Levitation Force of HTS Pinning Maglev for Engineering Application. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2021</b> , 34, 2753	1.5	1
134	Experiments and Simulations of the Secondary Suspension System to Improve the Dynamic Characteristics of HTS Maglev. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2021</b> , 31, 1-8	1.8	3
133	An Ultra-High-Speed Maglev Test Rig Designed for HTS Pinning Levitation and Electrodynamic Levitation. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2021</b> , 31, 1-5	1.8	1
132	Numerical Study on the Influence of the Speed on the Aerodynamic Thermal in the HTS Maglev Evacuated Tube Transport System. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2021</b> , 31, 1-4	1.8	
131	Vibration Characteristics of the New High-Temperature Superconducting Maglev Vehicle Based on Operation Test. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2021</b> , 31, 1-4	1.8	
130	Design Optimization of the Electromagnetic Turnout by Using a Compensation Coil. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2021</b> , 31, 1-4	1.8	2
129	Suspension Parameters Optimization of HTS Maglev Under Random Vibration. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2021</b> , 31, 1-4	1.8	2
128	Overview of Electrodynamic Levitation Technique Applied to Maglev Vehicles. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2021</b> , 31, 1-5	1.8	3
127	Influence of Electromagnetic Shunt Damper on Nonlinear Vibration of HTS Maglev System. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2021</b> , 31, 1-4	1.8	2
126	. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2021</b> , 31, 1-4	1.8	
125	Working Principle and Primary Electromagnetic Characteristics of a Permanent Magnet Electrodynamic Wheel for Maglev Car Application. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2021</b> , 31, 1-5	1.8	3
124	Analysis and Experiment on the Levitation Force and Thrust Force Characteristics of a Permanent Magnet Electrodynamic Wheel for Maglev Car Application. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2021</b> , 31, 1-4	1.8	2
123	Effect of Air Pressure on Aerodynamic Characteristics of the HTS Maglev Running in a Tube. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2021</b> , 31, 1-4	1.8	1
122	Design and Implementation of auto-filling liquid nitrogen for HTS maglev vehicles based on Kalman filter algorithm. <i>Cryogenics</i> , <b>2020</b> , 111, 103167	1.8	3
121	Dynamic Responses of HTS Maglev System Under Track Random Irregularity. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2020</b> , 30, 1-7	1.8	7
120	Levitation Force Characteristics of High-Temperature Superconducting Bulks in a High Magnetic Field. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2020</b> , 30, 1-5	1.8	3

119	Magnetic Characteristics of Nd-Fe-B Permanent Magnets at High Temperature and the Effect of Temperature on High-Temperature Superconducting Levitation Performance. <i>IEEE Magnetics Letters</i> , <b>2020</b> , 11, 1-5	1.6	3
118	Modeling and identification of the hysteresis nonlinear levitation force in HTS maglev systems. <i>Superconductor Science and Technology</i> , <b>2020</b> , 33, 054001	3.1	19
117	Optimization study of the Halbach permanent magnetic guideway for high temperature superconducting magnetic levitation. <i>Superconductor Science and Technology</i> , <b>2020</b> , 33, 034009	3.1	14
116	The New High-Temperature Superconducting Maglev Vehicle Developed in ASCLab <b>2020</b> ,		1
115	Numerical study on the influence of initial ambient temperature on the aerodynamic heating in the tube train system. <i>Advances in Aerodynamics</i> , <b>2020</b> , 2,	2.2	10
114	Nonlinear Vibration Suppression of HTS Maglev Utilizing Electromagnetic Shunt Damper <b>2020</b> ,		1
113	Vertical and lateral drift behavior of a linear superconducting magnetic bearing system under multi-operating modes. <i>Superconductor Science and Technology</i> , <b>2020</b> , 33, 084002	3.1	3
112	Levitation performance of an onboard high-temperature superconducting bulk unit with cryocooler direct cooling. <i>Superconductor Science and Technology</i> , <b>2020</b> , 33, 094015	3.1	2
111	A Manned Hybrid Maglev Vehicle Applying Permanent Magnetic Levitation (PML) and Superconducting Magnetic Levitation (SML). <i>IEEE Transactions on Applied Superconductivity</i> , <b>2020</b> , 30, 1-7	1.8	10
110	Feasibility Study of a DC Linear Motor Based on the Magnet Track of High-Temperature Superconducting Maglev. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2020</b> , 30, 1-5	1.8	2
109	Magnetic Field Test on an Electromagnetic Turnout Prototype System for High-Tc Superconducting Maglev. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2020</b> , 30, 1-6	1.8	4
108	Curve Negotiation Performance of High-Temperature Superconducting Maglev Based on Guidance Force Experiments and Dynamic Simulations. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2020</b> , 30, 1-11	1.8	16
107	Dynamic Characteristics of the HTS Maglev Vehicle Running Under a Low-Pressure Environment. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2019</b> , 29, 1-4	1.8	2
106	Dynamic Simulation of the HTS Maglev Vehicle-Bridge Coupled System Based on Levitation Force Experiment. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2019</b> , 29, 1-6	1.8	24
105	Magnetic levitation and guidance performance of YBaCuO and GdBaCuO bulk superconductors under low ambient pressure. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 365001	3	7
104	Dynamic Simulation of the Vehicle/Bridge Coupled System in High-Temperature Superconducting Maglev. <i>Computing in Science and Engineering</i> , <b>2019</b> , 21, 60-71	1.5	20
103	Levitation Performance of the Second-Generation HTS Maglev Vehicle Serving in a Ring Test Line. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2019</b> , 29, 1-5	1.8	8
102	Numerical Simulation and Experimental Analysis on the AC Losses of HTS Bulks Levitating Under a Varying External Magnetic Field. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2019</b> , 29, 1-5	1.8	6

101	Vibration Suppression of High-Temperature Superconducting Maglev System via Electromagnetic Shunt Damper. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2019</b> , 32, 2819-2828	1.5	15
100	Lateral drift of the HTS Maglev vehicle running on a ring test line under low pressure environment. <i>Physica C: Superconductivity and Its Applications</i> , <b>2019</b> , 565, 1353509	1.3	2
99	Levitation Height Drifts of HTS Bulks under a Long-Term External Disturbance. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2019</b> , 32, 3803-3810	1.5	10
98	Emulation and experimental analysis of an axial superconductor magnetic bearing. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1293, 012084	0.3	2
97	Subharmonic Resonance in Magnetic Levitation of the High-Temperature Superconducting Bulks YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> Under Harmonic Excitation. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2019</b> , 29, 1-8	1.8	9
96	Simulation and Experiment Research on the Dynamic Levitation Force of Bulk Superconductors Under a Varying External Magnetic Field. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2019</b> , 29, 1-5	1.8	11
95	Effect Laws of Different Factors on Levitation Characteristics of High-Tc Superconducting Maglev System with Numerical Solutions. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2019</b> , 32, 2351-2358	1.5	15
94	Dynamic Liquid Nitrogen Level Detection of Cryostats Onboard the HTS Maglev Vehicle. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2019</b> , 29, 1-4	1.8	1
93	Guidance Force and Its Hysteresis of YBCO Bulks Under a Low-Pressure Environment. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2019</b> , 29, 1-5	1.8	1
92	Dynamic Characteristics of the Manned Hybrid Maglev Vehicle Employing Permanent Magnetic Levitation (PML) and Superconducting Magnetic Levitation (SML). <i>IEEE Transactions on Applied Superconductivity</i> , <b>2019</b> , 29, 1-5	1.8	8
91	Design Optimization and Experimental Verification of an Electromagnetic Turnout for HTS Maglev Systems. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2018</b> , 28, 1-5	1.8	6
90	A General Method to Simulate the Electromagnetic Characteristics of HTS Maglev Systems by Finite Element Software. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2018</b> , 28, 1-8	1.8	47
89	Dynamic levitation performance of GdBaCuO and YBaCuO bulk superconductors under a varying external magnetic field. <i>Superconductor Science and Technology</i> , <b>2018</b> , 31, 035010	3.1	14
88	Levitation Force of Bulk YBaCuO and GdBaCuO Under a Low-Pressure Environment. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2018</b> , 28, 1-5	1.8	7
87	An Onboard Measurement System for Studying the Dynamic Running Characteristics of HTS Maglev. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2018</b> , 28, 1-5	1.8	7
86	New magnetic rails with double-layer Halbach structure by employing NdFeB and ferrite magnets for HTS maglev. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2018</b> , 445, 44-48	2.8	18
85	Retrospective and perspectives of the superconducting magnetic levitation (sml) technology applied to urban transportation. <i>Transportation Systems and Technology</i> , <b>2018</b> , 4, 195-202	0.3	3
84	Recent Activities of HTS Maglev in ASCLab <b>2018</b> ,		1



83	Lateral motion stability of high-temperature superconducting maglev systems derived from a nonlinear guidance force hysteretic model. <i>Superconductor Science and Technology</i> , <b>2018</b> , 31, 075010	3.1	28
82	Levitation Performance of YBCO Bulks in Supercooling Condition Under a Low-Pressure Environment. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2017</b> , 27, 1-5	1.8	16
81	Dynamic Vibration Characteristics of HTS Levitation Systems Operating on a Permanent Magnet Guideway Test Line. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2017</b> , 27, 1-5	1.8	8
80	Levitation performance of different bulk YBaCuO arrays above a permanent magnet guideway for HTS maglev systems. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 705, 301-308	5.7	5
79	Effect of Eddy Current Damper on the Dynamic Vibration Characteristics of High-Temperature Superconducting Maglev System. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2017</b> , 27, 1-6	1.8	14
78	Magnetic superelevation design of Halbach permanent magnet guideway for high-temperature superconducting maglev. <i>Physica C: Superconductivity and Its Applications</i> , <b>2017</b> , 538, 1-5	1.3	4
77	Magnetic Signals of High-Temperature Superconductor Bulk During the Levitation Force Measurement Process. <i>Journal of Low Temperature Physics</i> , <b>2017</b> , 187, 287-297	1.3	1
76	Cold Electronics System Development for ProtoDUNE-SP and SBND LAr TPC <b>2017</b> ,		2
75	Correlations Between Magnetic Flux and Levitation Force of HTS Bulk Above a Permanent Magnet Guideway. <i>Journal of Low Temperature Physics</i> , <b>2017</b> , 189, 42-52	1.3	3
74	High-Temperature Superconducting Magnetic Levitation Vehicles: Dynamic Characteristics While Running on a Ring Test Line. <i>IEEE Vehicular Technology Magazine</i> , <b>2017</b> , 12, 95-102	9.9	27
73	Design Optimization of a Heavy-Load High-Temperature Superconducting Maglev System With Multiseeded YBaCuO Bulks. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2017</b> , 27, 1-8	1.8	1
72	Motion stability of the magnetic levitation and suspension with YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> high-Tc superconducting bulks and NdFeB magnets. <i>Journal of Applied Physics</i> , <b>2017</b> , 122, 153902	2.5	17
71	A magnetic levitation rotating plate model based on high-Tc superconducting technology. <i>Cryogenics</i> , <b>2017</b> , 86, 1-6	1.8	1
70	Nonlinear vibration behaviors of high-Tc superconducting bulks in an applied permanent magnetic array field. <i>Journal of Applied Physics</i> , <b>2017</b> , 121, 243901	2.5	30
69	A High-Temperature Superconducting Maglev-Evacuated Tube Transport (HTS Maglev-ETT) Test System. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2017</b> , 27, 1-8	1.8	117
68	Preliminary Study of Aerodynamic Characteristics of High Temperature Superconducting Maglev-Evacuated Tube Transport System. <i>DEStech Transactions on Engineering and Technology Research</i> , <b>2017</b> ,	0.6	3
67	A genomics-led approach to deciphering the mechanism of thiotetronate antibiotic biosynthesis. <i>Chemical Science</i> , <b>2016</b> , 7, 376-385	9.4	31
66	Effect of Eddy-Current Damper on the Dynamic Levitation Force in High-Temperature Superconducting Maglev System. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2016</b> , 26, 1-7	1.8	7

65	Magnetic and levitation characteristics of bulk high-temperature superconducting magnets above a permanent magnet guideway. <i>Superconductor Science and Technology</i> , <b>2016</b> , 29, 095009	3.1	10
64	. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2016</b> , 26, 1-8	1.8	162
63	Magnetic Characteristics of Single-Block and Multi-Block Nd-Fe-B Permanent Magnets at Low Temperature. <i>IEEE Magnetics Letters</i> , <b>2016</b> , 7, 1-5	1.6	1
62	Study on the Magnetic Field Inhomogeneity of a Halbach Permanent-Magnet Guideway Due to Different Defects. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2016</b> , 26, 1-7	1.8	11
61	Magnetic characteristics of permanent magnet guideways at low temperature and its effect on the levitation force of bulk YBaCuO superconductors. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 656, 77-81	5.7	9
60	Vibration Characteristics of the HTS Maglev Vehicle Running on a 45-m-Long Ring Test Line. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2016</b> , 26, 1-7	1.8	10
59	Dynamic response characteristics of the high-temperature superconducting maglev system under lateral eccentric distance. <i>Cryogenics</i> , <b>2016</b> , 77, 1-7	1.8	12
58	The evaporation characteristics of liquid nitrogen coolant of HTS maglev in a low-pressure environment. <i>Vacuum</i> , <b>2016</b> , 129, 49-54	3.7	8
57	Comprehensive comparison of the levitation performance of bulk YBaCuO arrays above two different types of magnetic guideways. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2016</b> , 420, 171-176	2.8	8
56	Design and analysis of an electromagnetic turnout for the superconducting Maglev system. <i>Physica C: Superconductivity and Its Applications</i> , <b>2016</b> , 528, 84-89	1.3	12
55	Spatial and Temporal Flux-Trapping Properties of Bulk High Temperature Superconductors Under Static Magnetization Fields. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2015</b> , 28, 2385-2391	1.5	8
54	Study on the effect of transition curve to the dynamic characteristics of high-temperature superconducting maglev. <i>Physica C: Superconductivity and Its Applications</i> , <b>2015</b> , 519, 34-42	1.3	8
53	CASCA: A readout ASIC for a TPC based X-ray polarimeter <b>2015</b> ,		3
52	Levitation Performance of Rectangular Bulk Superconductor Arrays Above Applied Permanent-Magnet Guideways. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2015</b> , 25, 1-6	1.8	2
51	Performance enhancement of GdBaCuO high temperature superconducting bulks by BaHfO <sub>3</sub> as pinning centers. <i>Physica C: Superconductivity and Its Applications</i> , <b>2015</b> , 510, 54-56	1.3	6
50	Influence of Off-Centre Operation on the Performance of HTS Maglev. <i>Journal of Low Temperature Physics</i> , <b>2014</b> , 174, 292-300	1.3	6
49	Effect of the size of GdBCO-Ag secondary magnet on the static forces performance of linear synchronous motors. <i>Superconductor Science and Technology</i> , <b>2014</b> , 27, 115016	3.1	2
48	Trapped Flux Dependence of Bulk High-Temperature Superconductors Between 77 and 30 K under a Limited Excitation Field. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2014</b> , 27, 1413-1417	1.5	2



47	VNP: Interactive Visual Network Pharmacology of Diseases, Targets, and Drugs. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , <b>2014</b> , 3, e105	4.5	14
46	Regional gray matter density associated with emotional conflict resolution: evidence from voxel-based morphometry. <i>Neuroscience</i> , <b>2014</b> , 275, 500-7	3.9	9
45	Numerical Studies of Axial and Radial Magnetic Forces Between High Temperature Superconductors and a Magnetic Rotor. <i>Journal of Low Temperature Physics</i> , <b>2013</b> , 172, 299-309	1.3	12
44	An efficient and economical way to enhance the performance of present HTS Maglev systems by utilizing the anisotropy property of bulk superconductors. <i>Superconductor Science and Technology</i> , <b>2013</b> , 26, 025001	3.1	17
43	Characteristics of Dynamic Response of Balanced and Unbalanced High-Tc Superconducting Maglev System. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2013</b> , 23, 3600404-3600404	1.8	4
42	Feasibility of introducing ferromagnetic materials to onboard bulk high-Tc superconductors to enhance the performance of present maglev systems. <i>Physica C: Superconductivity and Its Applications</i> , <b>2013</b> , 485, 20-23	1.3	3
41	FLUX TRAPPING PROPERTIES OF BULK HIGH-TC SUPERCONDUCTORS IN STATIC FIELD-COOLING MAGNETIZATION. <i>International Journal of Modern Physics B</i> , <b>2013</b> , 27, 1362026	1.1	
40	Superconductivity and the environment: a Roadmap. <i>Superconductor Science and Technology</i> , <b>2013</b> , 26, 113001	3.1	95
39	The Effectiveness of Pulsed-Field Magnetization with Respect to Different Performance Bulk Superconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2012</b> , 25, 61-66	1.5	9
38	A sub-10ps resolution current discriminator for timing applications <b>2012</b> ,		1
37	. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2012</b> , 22, 6800110-6800110	1.8	19
36	. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2012</b> , 22, 6800210-6800210	1.8	20
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