

# Huai-Cong Liu

## List of Publications by Year in descending order

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30  
papers

291  
citations

1040056

9  
h-index

888059

17  
g-index

30  
all docs

30  
docs citations

30  
times ranked

332  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation on the Torque Ripple Reduction Method of a Hybrid Electric Vehicle Motor. <i>Energies</i> , 2021, 14, 1413.	3.1	8
2	Ferrite PM Optimization of SPM BLDC Motor for Oil-Pump Applications According to Magnetization Direction. <i>IEEE Transactions on Applied Superconductivity</i> , 2020, 30, 1-5.	1.7	5
3	Study on Line-Start Permanent Magnet Assistance Synchronous Reluctance Motor for Improving Efficiency and Power Factor. <i>Energies</i> , 2020, 13, 384.	3.1	8
4	Hardware-in-the-Loop Simulation for Active Control of Tramcars With Independently Rotating Wheels. <i>IEEE Access</i> , 2019, 7, 71252-71261.	4.2	9
5	Hybrid Multi-DOF Motor for Multi-Copter Unmanned Aerial Vehicle. <i>IEEE Transactions on Magnetics</i> , 2019, 55, 1-5.	2.1	2
6	Optimal Slot Design of IPMSM in Railway With Independently Rotating Wheelsets. <i>IEEE Transactions on Magnetics</i> , 2019, 55, 1-4.	2.1	10
7	Design Strategy of Magnetizer for Post-Assembly Magnetization of Spoke-Type Ferrite Magnet Motor. <i>Journal of Electronic Materials</i> , 2019, 48, 1368-1374.	2.2	5
8	Design and Analysis of an IE4 Class Line-Start Synchronous Reluctance Motor Considering Total Loss and Starting Performance. <i>Journal of Electronic Materials</i> , 2019, 48, 1386-1394.	2.2	7
9	Design of a Double-Path Magnetic Circuit Structure Hybrid Fuel Injector Considering Demagnetization Characteristics. <i>Journal of Electronic Materials</i> , 2019, 48, 1421-1428.	2.2	2
10	Design, Modeling, and Analysis of a Railway Traction Motor With Independently Rotating Wheelsets. <i>IEEE Transactions on Magnetics</i> , 2018, 54, 1-5.	2.1	10
11	Design of Rotor with Novel Barrier for Power Improvement of Spoke-Type Permanent Magnet Synchronous Motor. , 2018, , .		6
12	Optimal Design of an Ultra-Premium-Efficiency PMA-Synchronous Reluctance Motor With the Winding Method and Stator Parameters to Reduce Flux Leakage and Minimize Torque Pulsations. <i>IEEE Transactions on Magnetics</i> , 2018, 54, 1-5.	2.1	12
13	Optimum Design of an IE4 Line-Start Synchronous Reluctance Motor Considering Manufacturing Process Loss Effect. <i>IEEE Transactions on Industrial Electronics</i> , 2018, 65, 3104-3114.	7.9	73
14	Analysis of Inductance According to the Applied Current in Spoke-Type PMSM and Suggestion of Driving Mode. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-4.	2.1	20
15	Design of Permanent Magnet-Assisted Synchronous Reluctance Motor for Maximized Back-EMF and Torque Ripple Reduction. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-4.	2.1	43
16	Bubbles and Blisters Impact on Diecasting Cage to the Designs and Operations of Line-Start Synchronous Reluctance Motors. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-4.	2.1	11
17	Design of High-End Synchronous Reluctance Motor Using 3-D Printing Technology. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-5.	2.1	18
18	Eddy Current Brake With a Two-Layer Structure: Calculation and Characterization of Braking Performance. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-5.	2.1	29

#	ARTICLE	IF	CITATIONS
19	Design and Analysis of a Double-Layer Magnetic Circuit Structure for High-Force Density Hybrid Fuel Injector. IEEE Transactions on Magnetics, 2017, 53, 1-5.	2.1	1
20	Optimal rotor structure design of claw-pole alternator for performance improving using static 3D FEM coupled-circuit model. , 2016, , .		1
21	A study on an IPMSM designed to secure rotor reliability in view of demagnetization. , 2016, , .		0
22	PM arrangement design of PM-assisted synchronous reluctance motors for maximize back-EMF and cogging torque reduction. , 2016, , .		1
23	Newly proposed hybrid type multi-DOF operation motor for multi-copter UAV systems. , 2016, , .		1
24	Design of equivalent magnetic circuit and parameter analysis for improving performance of fuel injections. , 2016, , .		0
25	Bubbles and blisters impact on die-casting cage to the designs and operations of line-start synchronous reluctance motors. , 2016, , .		1
26	Design of electromagnetic field of permanent magnet generator for VTOL series-hybrid UAV. , 2015, , .		2
27	A study on traction motor design for a Tram-Train which takes into consideration of a permanent magnet scattering. , 2015, , .		2
28	Designing electro magnetic motor skew structure and method to skew analysis using FEM. , 2015, , .		0
29	Decrease torque ripple for SynRM using barrier arrangement design. , 2014, , .		4
30	Characteristic analysis of Spoke-type IPMSM corresponding to the rib structure. , 2014, , .		0