

Ivo Dolezel

List of Publications by Year in descending order

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32
papers

180
citations

1684188

5
h-index

1474206

9
g-index

32
all docs

32
docs citations

32
times ranked

210
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical solution of coupled problems using code Agros2D. Computing (Vienna/New York), 2013, 95, 381-408.	4.8	81
2	FEM based robust design optimization with Agros and Ārtap. Computers and Mathematics With Applications, 2021, 81, 618-633.	2.7	29
3	Reduced-Order Model Based Temperature Control of Induction Brazing Process. , 2019, , .		13
4	Model of Induction Heating of Rotating Non-Magnetic Billets and its Experimental Verification. IEEE Transactions on Magnetics, 2014, 50, 309-312.	2.1	11
5	Optimization of the system for induction heating of nonmagnetic cylindrical billets in rotating magnetic field produced by permanent magnets. Computing (Vienna/New York), 2013, 95, 537-552.	4.8	9
6	Calibration of Numerical Model of Magnetic Induction Brazing. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	9
7	Bistable Fully Electromagnetic Valve for High-Speed and Fail-Safe Operations. IEEE Transactions on Industrial Electronics, 2019, 66, 349-357.	7.9	6
8	Shape optimization of electromagnetic actuators. , 2014, , .		5
9	Optimization of Reluctance Motor with Printed Rotor. , 2019, , .		4
10	Optimization of selected operation characteristics of array antennas. Journal of Computational and Applied Mathematics, 2022, 399, 113726.	2.0	3
11	Minimization of force and thermal effects in bus bars. , 2016, , .		2
12	N-body simulation of electrically charged plastic particles motion in free-fall electrostatic separator. , 2017, , .		2
13	Optimization of Selected Electroheat Models Based on Calibration of Material Properties. IEEE Transactions on Magnetics, 2020, 56, 1-4.	2.1	2
14	Optimized arrangement of device for electrostatic separation of plastic particles. , 2012, , .		1
15	Shape optimization of laboratory induction pump. , 2018, , .		1
16	Shape Optimization of Deposited Layer Produced by Combined Cladding Process. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	1
17	Indirect induction hardening of thin electrically non-conductive layers. , 2020, , .		1
18	Genetic algorithms for multicriteria shape optimization of induction furnace. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
19	Cross-correlation as a new evaluation tool in pulsed eddy current defectoscopy. , 2014, , .		0
20	Induction heating of rotating cylindrical nonmagnetic billets with prescribed temperature profile. , 2014, , .		0
21	Novel trends in numerical modelling of Multiphysics problems in electromagnetics. , 2014, , .		0
22	Combination of induction and laser cladding and its 3D computer model. , 2016, , .		0
23	Determination of heat flux for needs of modelling multi-layer smart protective suit. , 2017, , .		0
24	Shape Optimization of Devices Taking Into Account Production Tolerances. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	0
25	Calculation of radiation field iso-surfaces using numerical continuation method. , 2018, , .		0
26	Structural Optimization of BLDC Machine and its Control. , 2019, , .		0
27	Model of Self-Sensing Microactuator with Embedded Sensor and its Control. , 2019, , .		0
28	Adjustment of Material Characteristics in Electroheat Problems. , 2019, , .		0
29	Numerical Model of Additive Manufacturing of Metal Bodies and its Experimental Verification. , 2019, , .		0
30	Methodology of determining material parameters based on optimization techniques. Journal of Computational and Applied Mathematics, 2021, 398, 113671.	2.0	0
31	Modeling of induction-assisted 3D laser printing. , 2020, , .		0
32	Baking of Thin Electrically Non-conductive Layers by Indirect Induction Heating. , 2020, , .		0