

# Sajid Hussain

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

206  
citations

1040056

9  
h-index

1125743

13  
g-index

18  
all docs

18  
docs citations

18  
times ranked

286  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual-band terahertz metamaterials based on nested split ring resonators. Applied Physics Letters, 2012, 101, 091103.	3.3	35
2	An Efficient Implementation of the Classical Preisach Model. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	29
3	A terahertz in-line polarization converter based on through-via connected double layer slot structures. Scientific Reports, 2017, 7, 42952.	3.3	22
4	The Modified Jiles' Atherton Model for the Accurate Prediction of Iron Losses. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	21
5	The Role of Temperature-Dependent Material Properties in Optimizing the Design of Permanent Magnet Motors. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	19
6	Low-loss flexible bilayer metamaterials in THz regime. Optics Express, 2014, 22, 2289.	3.4	13
7	Accuracy of time domain extension formulae of core losses in non-oriented electrical steel laminations under non-sinusoidal excitation. IET Electric Power Applications, 2017, 11, 1131-1139.	1.8	13
8	Temperature Dependence in the Jiles' Atherton Model for Non-Oriented Electrical Steels: An Engineering Approach. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	13
9	Prediction of Iron Losses Using Jiles' Atherton Model With Interpolated Parameters Under the Conditions of Frequency and Compressive Stress. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	10
10	Establishing a Relation between Preisach and Jiles' Atherton Models. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	9
11	A study of the effects of temperature on magnetic and copper losses in electrical machines. , 2016, , .		7
12	The prediction of iron losses under PWM excitation using the classical Preisach model. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2016, 35, 1996-2006.	0.9	6
13	Effects of PWM excitations on iron loss in electrical steels and machines. , 2017, , .		4
14	Novel Multi-Level Dynamic Traffic Load-Balancing Protocol for Data Center. Symmetry, 2019, 11, 145.	2.2	3
15	The modified Jiles-Atherton model for the accurate prediction of iron losses. , 2016, , .		1
16	Implementation of Iron Loss Model on Graphic Processing Units. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	1
17	12.5GHz-13GHz QPSK modulator direct at carrier with improved parameters for space applications. , 2010, , .		0
18	Demagnetization proximity considerations of inverter-fed permanent magnet motors. , 2017, , .		0