

# Yuichiro Kai

## List of Publications by Year in descending order

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19  
papers

188  
citations

1163117

8  
h-index

1058476

14  
g-index

19  
all docs

19  
docs citations

19  
times ranked

102  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of Stress on Vector Magnetic Property Under Rotating Magnetic Flux Conditions. IEEE Transactions on Magnetics, 2012, 48, 1421-1424.	2.1	37
2	Influence of Stress on Vector Magnetic Property Under Alternating Magnetic Flux Conditions. IEEE Transactions on Magnetics, 2011, 47, 4344-4347.	2.1	31
3	Influence of Biaxial Stress on Vector Magnetic Properties and 2-D Magnetostriction of a Nonoriented Electrical Steel Sheet Under Alternating Magnetic Flux Conditions. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	29
4	Vector Magnetic Characteristic Analysis of a PM Motor Considering Residual Stress Distribution With Complex-Approximated Material Modeling. IEEE Transactions on Magnetics, 2012, 48, 3352-3355.	2.1	22
5	Influence of shear stress on vector magnetic properties of non-oriented electrical steel sheets. International Journal of Applied Electromagnetics and Mechanics, 2014, 44, 371-378.	0.6	14
6	Iron loss properties of a practical rotating machine stator core at each manufacturing stage. International Journal of Applied Electromagnetics and Mechanics, 2010, 33, 79-86.	0.6	12
7	Effect of Arbitrary Shear Stress on Vector Magnetic Properties of Non-Oriented Electrical Steel Sheets. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	10
8	Magnetic Characteristic Analysis and Measurement of Vector Magnetic Property of a Non-oriented Electrical Steel Sheet Under High Magnetic Flux Condition. IEEE Transactions on Magnetics, 2013, 49, 1981-1984.	2.1	9
9	Measurement of two-dimensional magnetostriction of a non-oriented electrical steel sheet under shear stress. International Journal of Applied Electromagnetics and Mechanics, 2015, 48, 233-238.	0.6	8
10	Vector Magnetic Characteristic Analysis of a Permanent Magnet Motor by Controlling Local Stress. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	4
11	Measurement Method of Vector Magnetic Properties of a Non-oriented Electrical Steel Sheet under Stress Conditions. IEJ Transactions on Fundamentals and Materials, 2012, 132, 930-935.	0.2	3
12	Effect of residual stress on magnetic properties of motor cores. International Journal of Applied Electromagnetics and Mechanics, 2014, 45, 903-908.	0.6	2
13	Low loss of a permanent magnet motor by applying local stress. , 2014, , .		2
14	Development of a Stress-Relied Annealing Device by using a Low Frequency Induction Heating Technique. IEJ Transactions on Fundamentals and Materials, 2014, 134, 217-222.	0.2	2
15	Measurement of Vector Magnetic Properties of a Non-oriented Electrical Steel Sheet under Shear Stress. IEJ Transactions on Fundamentals and Materials, 2013, 133, 654-659.	0.2	2
16	Non-destructive evaluation for hardened carbon steel by using frequency sweeping excitation and spectrogram method. International Journal of Applied Electromagnetics and Mechanics, 2010, 33, 1287-1294.	0.6	1
17	Non-destructive evaluation of pipe wall thinning utilizing long-pulsed magnetic field. International Journal of Applied Electromagnetics and Mechanics, 2012, 39, 381-388.	0.6	0
18	Examination of Measurement Method for Magnetostriction of Electrical Steel Sheet with Lock-in Amplifier. IEJ Transactions on Fundamentals and Materials, 2012, 132, 1033-1038.	0.2	0

#	ARTICLE	IF	CITATIONS
19	Stress vector magnetic property measurement system. Journal of Electrical Engineering, 2018, 69, 403-406.	0.7	0