Kevin Byerly

List of Publications by Year
in descending order

17	188	1478505 6	1372567 10
papers	citations	h-index	g-index

17	17	17	132
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Review on soft magnetic metal and inorganic oxide nanocomposites for power applications. Journal of Alloys and Compounds, 2021, 870, 159500.	5.5	53
2	Real-Time Monitoring of Temperature Rises of Energized Transformer Cores With Distributed Optical Fiber Sensors. IEEE Transactions on Power Delivery, 2019, 34, 1588-1598.	4.3	40
3	Metal Amorphous Nanocomposite (MANC) Alloy Cores with Spatially Tuned Permeability for Advanced Power Magnetics Applications. Jom, 2018, 70, 879-891.	1.9	22
4	Surface oxidation and crystallization of FeNi-Based soft magnetic nanocrystalline and amorphous nanocomposite alloys. Journal of Alloys and Compounds, 2020, 834, 155038.	5.5	21
5	Thermal profile shaping and loss impacts of strain annealing on magnetic ribbon cores. Journal of Materials Research, 2018, 33, 2189-2206.	2.6	11
6	Magnetostrictive loss reduction through stress relief annealing in an FeNi-based metal amorphous nanocomposite. Journal of Materials Research, 2021, 36, 2843-2855.	2.6	9
7	Mechanical properties of strain annealed metal amorphous nanocomposite (MANC) soft magnetic material. Materialia, 2018, 4, 323-330.	2.7	6
8	Soft Magnetic Materials Characterization for Power Electronics Applications and Advanced Data Sheets. , 2019, , .		6
9	Multiobjective Optimization Paradigm for Toroidal Inductors With Spatially Tuned Permeability. IEEE Transactions on Power Electronics, 2021, 36, 2510-2521.	7.9	6
10	Flux Switching Permanent Magnet Motor with Metal Amorphous Nanocomposite Soft Magnetic Material and Rare Earth Free Permanent Magnets. , 2021, , .		4
11	Nanostructure refinement and phase formation of flash annealed FeNi-based soft magnetic alloys. Materials Research Bulletin, 2022, 152, 111839.	5.2	3
12	Radioâ€Frequency Rapid Thermal Processing Enabling Spatial Phase Transformation and Nanocrystallization of Soft Magnetic Amorphous Alloys. Advanced Engineering Materials, 0, , 2200208.	3.5	3
13	Distributed fiber-optic sensor for real-time monitoring of energized transformer cores. , 2017, , .		2
14	Crystallization Behavior and Recoilless Fraction Determination of Amorphous and Nanocrystalline Fe56Co24Nb4B13Si2Cu1 System. MRS Advances, 2017, 2, 1435-1440.	0.9	1
15	Permeability Engineered Soft Magnetics for Power Dense Energy Conversion. , 2021, , .		1
16	Nanocrystallization and Recoilless Fraction Determination of Fe68.5Co5Nb3Cu1Si15.5B7 Ferromagnetic Alloy. MRS Advances, 2019, 4, 1449-1455.	0.9	0
17	Multi-point fiber optic sensors for real-time monitoring of the temperature distribution on transformer cores. , 2018, , .		0