Chris J Rea

List of Publications by Year
in descending order

18	283	933447 10	888059 17
papers	citations	h-index	g-index

18	18	18	178
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High Density Heat-Assisted Magnetic Recording Media and Advanced Characterizationâ€"Progress and Challenges. IEEE Transactions on Magnetics, 2015, 51, 1-9.	2.1	72
2	Areal-Density Limits for Heat-Assisted Magnetic Recording and Perpendicular Magnetic Recording. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	28
3	Heat-Assisted Interlaced Magnetic Recording. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	26
4	High Track Pitch Capability for HAMR Recording. IEEE Transactions on Magnetics, 2017, 53, 1-7.	2.1	24
5	Heat-Assisted Magnetic Recordingâ€™s Extensibility to High Linear and Areal Density. IEEE Transactions on Magnetics, 2018, 54, 1-6.	2.1	20
6	HAMR Performance and Integration Challenges. IEEE Transactions on Magnetics, 2014, 50, 62-66.	2.1	19
7	HAMR Thermal Gradient Measurements and Analysis. IEEE Transactions on Magnetics, 2017, 53, 1-5.	2.1	15
8	Curvature and Skew in Heat-Assisted Magnetic Recording. IEEE Transactions on Magnetics, 2019, 55, 1-8.	2.1	14
9	Areal Density Comparison Between Conventional, Shingled, and Interlaced Heat-Assisted Magnetic Recording With Multiple Sensor Magnetic Recording. IEEE Transactions on Magnetics, 2019, 55, 1-3.	2.1	14
10	Writer and Reader Head-to-Media Spacing Sensitivity Assessment in HAMR. IEEE Transactions on Magnetics, 2016, 52, 1-6.	2.1	11
11	Head and Media Design for Curvature Reduction in Heat-Assisted Magnetic Recording. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	10
12	High Track Pitch Density for HAMR Recording: 1M TPI. IEEE Transactions on Magnetics, 2019, 55, 1-8.	2.1	9
13	Heat-Assisted Recording: Advances in Recording Integration. IEEE Transactions on Magnetics, 2017, 53, 1-6.	2.1	6
14	Impact of radius and skew angle on areal density in heat assisted magnetic recording hard disk drives. AIP Advances, 2018, 8, 056507.	1.3	4
15	Characterizing Curvature in Heat-Assisted Magnetic Recording Using Spin-Stand Imaging. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	4
16	Magnetic Field Strength Measurements in Heat-Assisted Magnetic Recording. IEEE Transactions on Magnetics, 2019, 55, 1-5.	2.1	3
17	Effect of Recording Conditions on the Downtrack Thermal Gradient in Heat-Assisted Magnetic Recording. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	2
18	Thermal Erasure in Heat-Assisted Magnetic Recording. IEEE Transactions on Magnetics, 2021, 57, 1-5.	2.1	2