

Desalegne Teweldebrhan

List of Publications by Year in descending order

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17
papers

12,715
citations

840585

11
h-index

1199470

12
g-index

17
all docs

17
docs citations

17
times ranked

18201
citing authors

#	ARTICLE	IF	CITATIONS
1	Superior Thermal Conductivity of Single-Layer Graphene. Nano Letters, 2008, 8, 902-907.	4.5	11,726
2	Exfoliation and Characterization of Bismuth Telluride Atomic Quintuples and Quasi-Two-Dimensional Crystals. Nano Letters, 2010, 10, 1209-1218.	4.5	405
3	Atomically-thin crystalline films and ribbons of bismuth telluride. Applied Physics Letters, 2010, 96, .	1.5	125
4	Flicker Noise in Bilayer Graphene Transistors. IEEE Electron Device Letters, 2009, 30, 288-290.	2.2	105
5	Tuning of Graphene Properties via Controlled Exposure to Electron Beams. IEEE Nanotechnology Magazine, 2011, 10, 865-870.	1.1	72
6	High-Throughput Large-Area Automated Identification and Quality Control of Graphene and Few-Layer Graphene Films. ACS Nano, 2011, 5, 914-922.	7.3	69
7	Low-Frequency Current Fluctuations in "Graphene-like" Exfoliated Thin-Films of Bismuth Selenide Topological Insulators. ACS Nano, 2011, 5, 2657-2663.	7.3	67
8	Gating of Single-Layer Graphene with Single-Stranded Deoxyribonucleic Acids. Small, 2010, 6, 1150-1155.	5.2	56
9	Direct Low-Temperature Integration of Nanocrystalline Diamond with GaN Substrates for Improved Thermal Management of High-Power Electronics. Advanced Functional Materials, 2012, 22, 1525-1530.	7.8	56
10	1/f noise in conducting channels of topological insulator materials. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 144-146.	0.8	19
11	A comparative analysis of Ag and Cu heat sink layers in L10-FePt films for heat-assisted magnetic recording. Journal of Applied Physics, 2011, 109, 07B763.	1.1	11
12	Large-Scale Automated Identification and Quality Control of Exfoliated and CVD Graphene via Image Processing Technique. ECS Transactions, 2010, 33, 201-209.	0.3	3
13	Gating of single layer graphene using DNA. , 2009, , .		1
14	Reversible Tuning of the Electronic Properties of Graphene via Controlled Exposure to Electron Beam Irradiation and Annealing. Materials Research Society Symposia Proceedings, 2011, 1344, 1.	0.1	0
15	Large-Area Industrial-Scale Identification and Quality Control of Graphene. Materials Research Society Symposia Proceedings, 2011, 1344, 1.	0.1	0
16	"Graphene-Like" Exfoliation of Quasi-2D Crystals of Titanium Ditelluride: A New Route to Charge Density Wave Materials. Materials Research Society Symposia Proceedings, 2011, 1344, 1.	0.1	0
17	DNA Gating effect from single layer graphene. Materials Research Society Symposia Proceedings, 2011, 1344, 1.	0.1	0