

# Desalegne Teweldebrhan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11233048/publications.pdf>

Version: 2024-02-01

17  
papers

12,715  
citations

840119

11  
h-index

1199166

12  
g-index

17  
all docs

17  
docs citations

17  
times ranked

18201  
citing authors

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