

# Edmund G Gerstner

## List of Publications by Year in descending order

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50  
papers

782  
citations

687363

13  
h-index

501196

28  
g-index

59  
all docs

59  
docs citations

59  
times ranked

800  
citing authors

#	ARTICLE	IF	CITATIONS
1	Extreme light. Nature, 2007, 446, 16-18.	27.8	103
2	Ion implantation in tetrahedral amorphous carbon. Physical Review B, 1995, 52, 850-857.	3.2	102
3	Source-gated thin-film transistors. IEEE Electron Device Letters, 2003, 24, 405-407.	3.9	85
4	Structural investigation of two carbon nitride solids produced by cathodic arc deposition and nitrogen implantation. Journal of Applied Physics, 1996, 79, 6914-6919.	2.5	64
5	Source-gated transistors in hydrogenated amorphous silicon. Solid-State Electronics, 2004, 48, 1155-1161.	1.4	52
6	The cost of salami slicing. Nature Materials, 2005, 4, 1-1.	27.5	49
7	Substrate bias effects on the structural and electronic properties of tetrahedral amorphous carbon. Physical Review B, 1996, 54, 14504-14510.	3.2	47
8	Defective quality. Nature, 2003, 425, 912-912.	27.8	47
9	Nonvolatile memory effects in nitrogen doped tetrahedral amorphous carbon thin films. Journal of Applied Physics, 1998, 84, 5647-5651.	2.5	38
10	Ion beam modification of tetrahedral amorphous carbon: the effect of irradiation temperature. Diamond and Related Materials, 1997, 6, 1622-1628.	3.9	33
11	Nanotechnology goes large. Nature, 2003, 425, 244-244.	27.8	28
12	Nuclear energy: The hybrid returns. Nature, 2009, 460, 25-28.	27.8	18
13	Fabrication and characterization of novel electronic devices using tetrahedral amorphous carbon. Diamond and Related Materials, 1998, 7, 1172-1177.	3.9	15
14	Applications of tetrahedral amorphous carbon in limited volatility memory and in field programmable gate arrays. Diamond and Related Materials, 2001, 10, 230-233.	3.9	10
15	Molecular dynamics simulation of thin film amorphous carbon growth. Journal of Non-Crystalline Solids, 1995, 189, 258-264.	3.1	8
16	New developments in processing cathodic arc plasmas. IEEE Transactions on Plasma Science, 1997, 25, 652-659.	1.3	7
17	Stout fizz-ics. Nature Physics, 2011, 7, 449-449.	16.7	7
18	THE ELECTRONIC STRUCTURE AND MEMORY DEVICE APPLICATIONS OF TETRAHEDRAL AMORPHOUS CARBON. International Journal of Modern Physics B, 2000, 14, 230-241.	2.0	5

#	ARTICLE	IF	CITATIONS
19	Solutions for assembly. Nature Physics, 2011, 7, 98-98.	16.7	5
20	Structural effects in ion-beam-modified polymers. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1999, 79, 391-402.	0.6	4
21	Formation of bulk unipolar diodes in hydrogenated amorphous silicon by ion implantation. IEEE Electron Device Letters, 2001, 22, 536-538.	3.9	4
22	Compensated back-channel TFTs in hydrogenated amorphous silicon. IEEE Electron Device Letters, 2003, 24, 25-27.	3.9	4
23	Elements of style. Nature Physics, 2007, 3, 581-581.	16.7	4
24	Lasing at the limit. Nature Physics, 2010, 6, 638-638.	16.7	4
25	Cycling effects in nitrogen doped tetrahedral amorphous carbon non-volatile memory cells. Solid-State Electronics, 2000, 44, 1641-1645.	1.4	3
26	Defect dependent memory switching in amorphous silicon alloys. Electronics Letters, 2002, 38, 249.	1.0	3
27	Growth of CrSi <sub>2</sub> by radiation enhanced diffusion at room temperature. Journal of Applied Physics, 2002, 92, 5068-5071.	2.5	2
28	The natural choice. Nature Physics, 2005, 1, 1-1.	16.7	2
29	Hybrid particle drive. Nature Physics, 2007, 3, 146-146.	16.7	2
30	Rubbed the right way. Nature Physics, 2008, 4, 166-166.	16.7	2
31	A-maze-ing arrays. Nature Physics, 2011, 7, 837-837.	16.7	2
32	Words of advice to young people. Nature Physics, 2008, 4, 588-588.	16.7	1
33	Scattered focus. Nature Physics, 2008, 4, 91-91.	16.7	1
34	Talking the talk. Nature Physics, 2008, 4, 429-429.	16.7	1
35	Answers on a postcard. Nature Physics, 2008, 4, S6-S6.	16.7	1
36	Exclusive images. Nature Physics, 2010, 6, 564-564.	16.7	1

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37	X-ray crystallography goes viral. Nature Physics, 2011, 7, 194-194.	16.7	1
38	Retinal rods resolved. Nature Physics, 2011, 7, 521-521.	16.7	1
39	Stewards of China's future. Nature, 2015, 528, 427-428.	27.8	1
40	15 years of Nature Physics. Nature Physics, 2020, 16, 999-1005.	16.7	1
41	Physical and psychophysical measures of the distinctiveness of Australian banknotes. Australian Journal of Psychology, 2002, 54, 150-156.	2.8	0
42	To dream the possible dream. Nature Physics, 2006, 2, 355-355.	16.7	0
43	Testing times. Nature Physics, 2007, 3, 285-285.	16.7	0
44	Information in a spin. Nature Physics, 2008, 4, S18-S18.	16.7	0
45	Singularly fast. Nature Physics, 2009, 5, 316-316.	16.7	0
46	Take it on trust?. Nature Physics, 2009, 5, 613-613.	16.7	0
47	Digital photography is born. Nature Materials, 2010, 9, S14-S15.	27.5	0
48	How to be popular. Nature Physics, 2011, 7, 827-827.	16.7	0
49	Dense bytes from antiferromagnetic bits. Nature Physics, 2012, 8, 114-114.	16.7	0
50	Improved flavour. Nature Physics, 2012, 8, 514-514.	16.7	0