

Yung-Chen Lin

List of Publications by Year in descending order

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26
papers

2,942
citations

471061

17
h-index

642321

23
g-index

27
all docs

27
docs citations

27
times ranked

4432
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetic Manipulation of Silicide Phase Formation in Si Nanowire Templates. Nano Letters, 2013, 13, 3703-3708.	4.5	33
2	The growth and applications of silicides for nanoscale devices. Nanoscale, 2012, 4, 1412-1421.	2.8	41
3	Crystallinity Control of Ferromagnetic Contacts in Stressed Nanowire Templates and the Magnetic Domain Anisotropy. Nano Letters, 2012, 12, 4341-4348.	4.5	12
4	Kinetic Competition Model and Size-Dependent Phase Selection in 1-D Nanostructures. Nano Letters, 2012, 12, 3115-3120.	4.5	40
5	Domain Wall Motion in Synthetic Co ₂ Si Nanowires. Nano Letters, 2012, 12, 1972-1976.	4.5	17
6	A systematic study of atmospheric pressure chemical vapor deposition growth of large-area monolayer graphene. Journal of Materials Chemistry, 2012, 22, 1498-1503.	6.7	76
7	High-frequency self-aligned graphene transistors with transferred gate stacks. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11588-11592.	3.3	312
8	Synthesis and electric properties of dicobalt silicide nanobelts. Chemical Communications, 2011, 47, 1255-1257.	2.2	15
9	Unveiling the Formation Pathway of Single Crystalline Porous Silicon Nanowires. ACS Applied Materials & Interfaces, 2011, 3, 261-270.	4.0	156
10	The Influence of Surface Oxide on the Growth of Metal/Semiconductor Nanowires. Nano Letters, 2011, 11, 2753-2758.	4.5	23
11	Heterointegration of Pt/Si/Ag Nanowire Photodiodes and Their Photocatalytic Properties. Advanced Functional Materials, 2010, 20, 3005-3011.	7.8	28
12	Heterointegration of Pt/Si/Ag Nanowire Photodiodes and Their Photocatalytic Properties. Advanced Functional Materials, 2010, 20, n/a-n/a.	7.8	0
13	High-Performance Top-Gated Graphene Nanoribbon Transistors Using Zirconium Oxide Nanowires as High-Dielectric-Constant Gate Dielectrics. Advanced Materials, 2010, 22, 1941-1945.	11.1	132
14	High-speed graphene transistors with a self-aligned nanowire gate. Nature, 2010, 467, 305-308.	13.7	1,156
15	Nanoelectronic Devices from Nanowire Heterostructures. ECS Transactions, 2010, 33, 3-11.	0.3	0
16	Top-Gated Graphene Nanoribbon Transistors with Ultrathin High- κ Dielectrics. Nano Letters, 2010, 10, 1917-1921.	4.5	160
17	High- κ oxide nanoribbons as gate dielectrics for high mobility top-gated graphene transistors. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6711-6715.	3.3	187
18	Detection of Spin Polarized Carrier in Silicon Nanowire with Single Crystal MnSi as Magnetic Contacts. Nano Letters, 2010, 10, 2281-2287.	4.5	68

#	ARTICLE	IF	CITATIONS
19	Growth of Nickel Silicides in Si and Si/SiO _x Core/Shell Nanowires. Nano Letters, 2010, 10, 4721-4726.	4.5	74
20	Sub-100 nm Channel Length Graphene Transistors. Nano Letters, 2010, 10, 3952-3956.	4.5	167
21	Rational Design and Synthesis of Freestanding Photoelectric Nanodevices as Highly Efficient Photocatalysts. Nano Letters, 2010, 10, 1941-1949.	4.5	62
22	Self-Aligned Nanolithography in a Nanogap. Nano Letters, 2009, 9, 2234-2238.	4.5	15
23	Single Crystalline PtSi Nanowires, PtSi/Si/PtSi Nanowire Heterostructures, and Nanodevices. Nano Letters, 2008, 8, 913-918.	4.5	166
24	PREPARATION OF HIGHLY TEXTURED ALN FILMS USING MO AND TI ELECTRODE FOR INTEGRATED ALN-BASED FILM BULK ACOUSTIC WAVE RESONATORS. Integrated Ferroelectrics, 2006, 80, 407-413.	0.3	1
25	Low Temperature Synthesis of AlN Films by ICP-Assisted Metalorganic Chemical Vapor Deposition Method. Integrated Ferroelectrics, 2004, 68, 95-103.	0.3	0
26	Laser Annealing of Pb(Zr _{0.52} Ti _{0.48})O ₃ Thin Films Using Pulsed Excimer (KrF) Laser. Integrated Ferroelectrics, 2003, 52, 119-126.	0.3	1