

Yung-Chen Lin

List of Publications by Year in descending order

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26
papers

2,942
citations

471509
17
h-index

642732
23
g-index

27
all docs

27
docs citations

27
times ranked

4432
citing authors

#	ARTICLE	IF	CITATIONS
1	High-speed graphene transistors with a self-aligned nanowire gate. <i>Nature</i> , 2010, 467, 305-308.	27.8	1,156
2	High-frequency self-aligned graphene transistors with transferred gate stacks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 11588-11592.	7.1	312
3	High- κ oxide nanoribbons as gate dielectrics for high mobility top-gated graphene transistors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6711-6715.	7.1	187
4	Sub-100 nm Channel Length Graphene Transistors. <i>Nano Letters</i> , 2010, 10, 3952-3956.	9.1	167
5	Single Crystalline PtSi Nanowires, PtSi/Si/PtSi Nanowire Heterostructures, and Nanodevices. <i>Nano Letters</i> , 2008, 8, 913-918.	9.1	166
6	Top-Gated Graphene Nanoribbon Transistors with Ultrathin High- κ Dielectrics. <i>Nano Letters</i> , 2010, 10, 1917-1921.	9.1	160
7	Unveiling the Formation Pathway of Single Crystalline Porous Silicon Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 261-270.	8.0	156
8	High-Performance Top-Gated Graphene-Nanoribbon Transistors Using Zirconium Oxide Nanowires as High-Dielectric-Constant Gate Dielectrics. <i>Advanced Materials</i> , 2010, 22, 1941-1945.	21.0	132
9	A systematic study of atmospheric pressure chemical vapor deposition growth of large-area monolayer graphene. <i>Journal of Materials Chemistry</i> , 2012, 22, 1498-1503.	6.7	76
10	Growth of Nickel Silicides in Si and Si/SiO _x Core/Shell Nanowires. <i>Nano Letters</i> , 2010, 10, 4721-4726.	9.1	74
11	Detection of Spin Polarized Carrier in Silicon Nanowire with Single Crystal MnSi as Magnetic Contacts. <i>Nano Letters</i> , 2010, 10, 2281-2287.	9.1	68
12	Rational Design and Synthesis of Freestanding Photoelectric Nanodevices as Highly Efficient Photocatalysts. <i>Nano Letters</i> , 2010, 10, 1941-1949.	9.1	62
13	The growth and applications of silicides for nanoscale devices. <i>Nanoscale</i> , 2012, 4, 1412-1421.	5.6	41
14	Kinetic Competition Model and Size-Dependent Phase Selection in 1-D Nanostructures. <i>Nano Letters</i> , 2012, 12, 3115-3120.	9.1	40
15	Kinetic Manipulation of Silicide Phase Formation in Si Nanowire Templates. <i>Nano Letters</i> , 2013, 13, 3703-3708.	9.1	33
16	Heterointegration of Pt/Si/Ag Nanowire Photodiodes and Their Photocatalytic Properties. <i>Advanced Functional Materials</i> , 2010, 20, 3005-3011.	14.9	28
17	The Influence of Surface Oxide on the Growth of Metal/Semiconductor Nanowires. <i>Nano Letters</i> , 2011, 11, 2753-2758.	9.1	23
18	Domain Wall Motion in Synthetic Co ₂ Si Nanowires. <i>Nano Letters</i> , 2012, 12, 1972-1976.	9.1	17

#	ARTICLE	IF	CITATIONS
19	Self-Aligned Nanolithography in a Nanogap. Nano Letters, 2009, 9, 2234-2238.	9.1	15
20	Synthesis and electric properties of dicobalt silicide nanobelts. Chemical Communications, 2011, 47, 1255-1257.	4.1	15
21	Crystallinity Control of Ferromagnetic Contacts in Stressed Nanowire Templates and the Magnetic Domain Anisotropy. Nano Letters, 2012, 12, 4341-4348.	9.1	12
22	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.	0.7	1
23	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.	0.7	1
24	Low Temperature Synthesis of AlN Films by ICP-Assisted Metalorganic Chemical Vapor Deposition Method. Integrated Ferroelectrics, 2004, 68, 95-103.	0.7	0
25	Heterointegration of Pt/Si/Ag Nanowire Photodiodes and Their Photocatalytic Properties. Advanced Functional Materials, 2010, 20, n/a-n/a.	14.9	0
26	Nanoelectronic Devices from Nanowire Heterostructures. ECS Transactions, 2010, 33, 3-11.	0.5	0