Kyekyoon Kevin Kim

List of Publications by Year
in descending order

59 papers	1,756 citations	471509 17 h-index	265206 42 g-index
60 all docs	60 docs citations	60 times ranked	2790 citing authors

#	Article	IF	Citations
1	Precise control of PLG microsphere size provides enhanced control of drug release rate. Journal of Controlled Release, 2002, 82, 137-147.	9.9	348
2	Fabrication of PLG microspheres with precisely controlled and monodisperse size distributions. Journal of Controlled Release, 2001, 73, 59-74.	9.9	314
3	Toxicity of silica nanoparticles depends on size, dose, and cell type. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 1407-1416.	3.3	292
4	Critical thickness of GaN thin films on sapphire (0001). Applied Physics Letters, 1996, 69, 2358-2360.	3.3	105
5	Integration of Type II Nanorod Heterostructures into Photovoltaics. ACS Nano, 2011, 5, 7677-7683.	14.6	72
6	Fabrication of highly concentrated Er3+ doped aluminosilicate films via solâ€gel processing. Applied Physics Letters, 1995, 66, 2496-2498.	3.3	60
7	Monodisperse Liquid-filled Biodegradable Microcapsules. Pharmaceutical Research, 2007, 24, 1007-1013.	3.5	57
8	Controlled release of Pantoea agglomerans E325 for biocontrol of fire blight disease of apple. Journal of Controlled Release, 2012, 161, 109-115.	9.9	52
9	Biodegradable gelatin microspheres enhance the neuroprotective potency of osteopontin via quick and sustained release in the post-ischemic brain. Acta Biomaterialia, 2014, 10, 3126-3135.	8.3	46
10	AlGaN/GaN MOSHEMT With High-Quality $hbox{Gate}$â€“$hbox{SiO}_{2}$ Achieved by Room-Temperature Radio Frequency Magnetron Sputtering. IEEE Transactions on Electron Devices, 2012, 59, 2650-2655.	3.0	45
11	Monodisperse Gelatin Microspheres as a Drug Delivery Vehicle: Release Profile and Effect of Crosslinking Density. Macromolecular Bioscience, 2008, 8, 758-765.	4.1	36
12	Comprehensive model for fine Coulomb fission of liquid droplets charged to Rayleigh limit. Applied Physics Letters, 2007, 91, .	3.3	33
13	Fabrication of ZnO thin films using charged liquid cluster beam technique. Applied Physics Letters, 1995, 67, 3337-3339.	3.3	29
14	Ti-based nonalloyed Ohmic contacts for Al0.15Ga0.85Nâˆ•GaN high electron mobility transistors using regrown n+-GaN by plasma assisted molecular beam epitaxy. Applied Physics Letters, 2008, 93, .	3.3	23
15	Buffer layer strain transfer in AlN/GaN near critical thickness. Journal of Applied Physics, 1999, 85, 4040-4044.	2.5	22
16	Structural Properties of AlN Grown on Sapphire at Plasma Self-Heating Conditions Using Reactive Magnetron Sputter Deposition. Journal of Electronic Materials, 2010, 39, 1146-1151.	2.2	19
17	Near-field photoluminescence spectroscopy of InGaN films grown by molecular-beam epitaxy. Applied Physics Letters, 2002, 80, 989-991.	3.3	18
18	Uniform Biodegradable Hydrogel Microspheres Fabricated by a Surfactant-Free Electric-Field-Assisted Method. Macromolecular Bioscience, 2007, 7, 423-428.	4.1	18

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19	Breakdown Voltage Enhancement of AlGaN/GaN High-Electron-Mobility Transistors via Selective-Area Growth for Ohmic Contacts over Ion Implantation. Journal of Electronic Materials, 2010, 39, 499-503.	2.2	14
20	Nonalloyed ohmic contact of AlGaN/GaN HEMTs by selective area growth of singleâ€crystal n⁺â€GaN using plasma assisted molecular beam epitaxy. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 951-954.	1.8	14
21	Single intranasal administration of 17Î²-estradiol loaded gelatin nanoparticles confers neuroprotection in the post-ischemic brain. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 29, 102246.	3.3	14
22	Modeling of small-molecule release from crosslinked hydrogel microspheres: Effect of crosslinking and enzymatic degradation of hydrogel matrix. International Journal of Pharmaceutics, 2011, 403, 90-95.	5.2	13
23	Sustained exenatide delivery via intracapsular microspheres for improved survival and function of microencapsulated porcine islets. Drug Delivery and Translational Research, 2018, 8, 857-862.	5.8	12
24	Uniform ethyl cellulose microspheres of controlled sizes and polymer viscosities and their drugâ€release profiles. Journal of Applied Polymer Science, 2009, 112, 850-857.	2.6	10
25	Acute effects of aerobic stretching, health and happiness improving movement exercise on cortical activity of children. Journal of Exercise Rehabilitation, 2016, 12, 320-327.	1.0	9
26	Low-Temperature Growth of Highly Crystalline (Ba,â€‰Sr)TiO[sub 3] Films by CLCB Method. Electrochemical and Solid-State Letters, 2004, 7, F77.	2.2	8
27	Uniform Chitosan Microspheres for Potential Application to Colonâ€Specific Drug Delivery. Macromolecular Bioscience, 2008, 8, 1173-1181.	4.1	8
28	Low-temperature fabrication of high-quality (Ba, Sr)TiO₃films using charged liquid cluster beam method. Journal of Materials Research, 2002, 17, 1888-1891.	2.6	7
29	Effects of controlled surface treatment on titanium dioxide electrode nanostructure for dye-sensitized solar cells. Applied Physics A: Materials Science and Processing, 2013, 112, 371-380.	2.3	7
30	Improved survival of anchorage-dependent cells in core-shell hydrogel microcapsules via co-encapsulation with cell-friendly microspheres. Journal of Microencapsulation, 2017, 34, 57-62.	2.8	6
31	Precision Polymer Microparticles for Controlled-Release Drug Delivery. ACS Symposium Series, 2004, , 197-213.	0.5	5
32	Selective-area growth and fabrication of recessed-gate GaN MESFET using plasma-assisted molecular beam epitaxy. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 1872-1875.	1.8	5
33	Elastic buckling of AlN ribbons on elastomeric substrate. Applied Physics Letters, 2009, 94, 092104.	3.3	5
34	SrTiO[sub 3] Thin Films Deposited by CLCB in Combination with Sol-Gel Processing. Electrochemical and Solid-State Letters, 2004, 7, F70.	2.2	4
35	Interface analysis of Ti/Al/Ti/Au ohmic contacts with regrown n⁺â€GaN layers using molecular beam epitaxy. Surface and Interface Analysis, 2011, 43, 1627-1631.	1.8	4
36	Formation of Low-Resistance Ohmic Contact by Damage-Proof Selective-Area Growth of Single-Crystal n +-GaN Using Plasma-Assisted Molecular Beam Epitaxy. Journal of Electronic Materials, 2008, 37, 635-640.	2.2	3

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37	Highâ€current Al<scp>G</scp>a<scp>N</scp>/<scp>G</scp>a<scp>N</scp> high electron mobility transistors achieved by selectiveâ€area growth via plasmaâ€assisted molecular beam epitaxy. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 180-183.	1.8	3
38	Investigation of optical properties of aluminum-doped zinc oxide films via flow-limited field-injection electrostatic spraying. AIP Advances, 2020, 10, 095211.	1.3	3
39	Extrapolation of critical thickness of GaN thin films from lattice constant data using synchrotron X-ray. Materials Research Society Symposia Proceedings, 1996, 423, 557.	0.1	2
40	Imaging Therapeutic Proteins in Gelatin for Controlled Drug Release. Macromolecular Symposia, 2005, 227, 295-306.	0.7	2
41	High-Performance GaN Vertical p-i-n Diodes via Silicon Nitride Shadowed Selective-Area Growth and Optimized FGR- and JTE-Based Edge Termination. IEEE Journal of the Electron Devices Society, 2021, 9, 68-78.	2.1	2
42	Protease-activated indocyanine green nanoprobes for intraoperative NIR fluorescence imaging of primary tumors. Nanoscale Advances, 2022, 4, 4041-4050.	4.6	2
43	Fabrication of Glass Micro- and Nanospheres from Liquid Precursors Using Droplet Generation and Sol-Gel Processing. Materials Research Society Symposia Proceedings, 1994, 372, 25.	0.1	1
44	13.4: Copper Nanowires with Fiveâ€Twinned Structure Grown by Chemical Vapor Deposition and their Application to Field Emission Displays. Digest of Technical Papers SID International Symposium, 2008, 39, 163-166.	0.3	1
45	Moving mesh adaptation for Si and GaN-based power device simulation. Journal of Computational Electronics, 2018, 17, 1621-1629.	2.5	1
46	Design of selective-area growth compatible fully-vertical GaN p-i-n diodes with dielectric vertical sidewall appended edge termination schemes. Semiconductor Science and Technology, 2021, 36, 035024.	2.0	1
47	Observation of bandgap closing in SrxBa1â^'xBiO3 films: Evidence toward topological order in BaBiO3. Journal of Applied Physics, 2022, 132, .	2.5	1
48	Noncontact coating of spherical-shell ICF targets using gas-dynamic levitation and charged liquid cluster beam. , 0, , .		0
49	A quantum mechanical approach to an analytical expression of the single-molecule-single-nanoparticle surface enhanced raman scattering. , 2006, , .		0
50	Simultaneous generation and deposition of cobalt nanoparticles by flow-limited field-injection electrostatic spraying for catalytic growth of single- walled carbon nanotubes. , 2006, , .		0
51	Generation and characterization of copper nanowires, nanoparticles, and thin films by flow- limited field-injection electrostatic spraying. , 2006, , .		0
52	The improvement of selective-area growth using plasma assisted molecular beam epitaxy for low ohmic contact resistance. , 2006, , .		0
53	Field emission characteristics of vertically aligned free-standing copper nanowires grown by chemical vapor deposition with no template. , 2006, , .		0
54	Transmission electron microscopy analysis of freestanding copper nanowires grown by chemical vapor deposition with no template or seed. , 2006, , .		0

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55	A new approach to accurate resistivity measurement for a single nanowire — theory and application. , 2006, , .		0
56	TiO<inf>2</inf> nanoparticle-nanofiber composites and their application in dye-sensitized solar cells. , 2010, , .		0
57	TiO<inf>2</inf> nanoparticle generation by flame pyrolysis FFESS system. , 2010, , .		0
58	Large-Periphery ALGaN/GaN High Electron Mobility Transistors for High-Power Operation. , 2010, , .		0
59	Design of PAMBE-based selective-area growth compliant ultra-low leakage GaN mixed-conduction vertical diodes for high-power applications. Semiconductor Science and Technology, 0, , .	2.0	0