

Judy Z Wu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/976451/publications.pdf>

Version: 2024-02-01

153
papers

3,498
citations

117571

34
h-index

189801

50
g-index

156
all docs

156
docs citations

156
times ranked

4552
citing authors

#	ARTICLE	IF	CITATIONS
1	Enabling coherent BaZrO ₃ /nanorods/YBa ₂ Cu ₃ O _{7-x} interface through dynamic lattice enlargement in vertical epitaxy of BaZrO ₃ /YBa ₂ Cu ₃ O _{7-x} nanocomposites. <i>Superconductor Science and Technology</i> , 2022, 35, 034001.	1.8	8
2	Field/valley plasmonic meta-resonances in WS ₂ -metallic nanoantenna systems: Coherent dynamics for molding plasmon fields and valley polarization. <i>Physical Review B</i> , 2022, 105, .	1.1	1
3	Interface Engineering for Enhanced Magnetic Vortex Pinning by 1D-BZO APCs in a Wide Angular Range. <i>IOP Conference Series: Materials Science and Engineering</i> , 2022, 1241, 012022.	0.3	0
4	Using an Atomically Thin Layer of Hexagonal Boron Nitride to Separate Bound Charge-Transfer Excitons at Organic Interfaces. <i>Physical Review Applied</i> , 2022, 18, .	1.5	3
5	High Tunneling Magnetoresistance in Magnetic Tunnel Junctions with Subnanometer Thick Al ₂ O ₃ Tunnel Barriers Fabricated Using Atomic Layer Deposition. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 15738-15745.	4.0	7
6	Double Ag Nanowires on a Bilayer MoS ₂ Flake for Surface-Enhanced Raman Scattering. <i>Journal of Physical Chemistry C</i> , 2021, 125, 1940-1946.	1.5	10
7	Intermixed WS ₂ +MoS ₂ Nanodisks/Graphene van der Waals Heterostructures for Surface-Enhanced Raman Spectroscopy Sensing. <i>ACS Applied Nano Materials</i> , 2021, 4, 2941-2951.	2.4	16
8	Gain without inversion and enhancement of refractive index via intervalley quantum coherence transfer in hybrid WS ₂ -metallic nanoantenna systems. <i>Physical Review A</i> , 2021, 103, .	1.0	4
9	Nanohybrid Photodetectors. <i>Advanced Photonics Research</i> , 2021, 2, 2100015.	1.7	9
10	Probing the Origin of Light-Enhanced Ion Diffusion in Halide Perovskites. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 33609-33617.	4.0	8
11	ZnO/graphene heterostructure nanohybrids for optoelectronics and sensors. <i>Journal of Applied Physics</i> , 2021, 130, .	1.1	12
12	Ternary FePSe ₃ Atomic Layers with Competitive Temperature Coefficient of Resistance for Uncooled Infrared Bolometers. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100491.	1.9	6
13	Ramifications of Pulsed Laser Deposition Growth Temperature on BaHfO ₃ and Y ₂ O ₃ Doped Y-Ba-Cu-O Thin Films™ Microstructure and Performance. <i>IEEE Transactions on Applied Superconductivity</i> , 2021, 31, 1-5.	1.1	1
14	Quantum dots/graphene nanohybrids photodetectors: progress and perspective. <i>Nano Express</i> , 2021, 2, 031002.	1.2	1
15	Enhanced H _a , Sensitivity in Ultraviolet-Activated Pt Nanoparticle/SWCNT/Graphene Nanohybrids. <i>IEEE Sensors Journal</i> , 2021, 21, 19762-19770.	2.4	3
16	Coherent transport of energy and polarization between monolayers of transition metal dichalcogenides. <i>2D Materials</i> , 2021, 8, 045023.	2.0	1
17	Enhancing magnetic pinning by BaZrO ₃ nanorods forming coherent interface by strain-directed Ca-doping in YBa ₂ Cu ₃ O _{7-x} nanocomposite films. <i>Superconductor Science and Technology</i> , 2021, 34, 104002.	1.8	12
18	MoS ₂ Nanodonuts for High-Sensitivity Surface-Enhanced Raman Spectroscopy. <i>Biosensors</i> , 2021, 11, 477.	2.3	2

#	ARTICLE	IF	CITATIONS
19	Artificial pinning centers in (Y, RE)-Ba-Cu-O superconductors: recent progress and future perspective. <i>Superconductor Science and Technology</i> , 2020, 33, 040301.	1.8	9
20	Interlayer Transition in a vdW Heterostructure toward Ultrahigh Detectivity Shortwave Infrared Photodetectors. <i>Advanced Functional Materials</i> , 2020, 30, 1905687.	7.8	52
21	Flexible Zinc Oxide Nanowire Array/Graphene Nanohybrid for High-Sensitivity Strain Detection. <i>ACS Omega</i> , 2020, 5, 27359-27367.	1.6	12
22	Investigation of <i>In Vacuo</i> Atomic Layer Deposition of Ultrathin MgAl ₂ O ₄ Using Scanning Tunneling Spectroscopy. <i>ACS Applied Electronic Materials</i> , 2020, 2, 3121-3130.	2.0	1
23	Development of an ALD-Pt@SWCNT/Graphene 3D Nanohybrid Architecture for Hydrogen Sensing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 53115-53124.	4.0	10
24	Graphene/WS ₂ Nanodisk Van der Waals Heterostructures on Plasmonic Ag Nanoparticle-Embedded Silica Metafilms for High-Performance Photodetectors. <i>ACS Applied Nano Materials</i> , 2020, 3, 7858-7868.	2.4	25
25	Cation- π Interaction Assisted Molecule Attachment and Photocarrier Transfer in Rhodamine/Graphene Heterostructures. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000796.	1.9	8
26	High-Performance Strain Sensors Based on Vertically Aligned Piezoelectric Zinc Oxide Nanowire Array/Graphene Nanohybrids. <i>ACS Applied Nano Materials</i> , 2020, 3, 6711-6718.	2.4	30
27	Switching On/Off Negative Capacitance in Ultrathin Ferroelectric/Dielectric Capacitors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 9902-9908.	4.0	4
28	Ultrahigh Brightening of Infrared PbS Quantum Dots via Collective Energy Transfer Induced by a Metal-Oxide Plasmonic Metastructure. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 11913-11921.	4.0	10
29	Au Nanoparticle/WS ₂ Nanodome/Graphene van der Waals Heterostructure Substrates for Surface-Enhanced Raman Spectroscopy. <i>ACS Applied Nano Materials</i> , 2020, 3, 2354-2363.	2.4	27
30	Localized Surface Plasmon Resonance Enhanced Light Absorption in AuCu/CsPbCl ₃ Core/Shell Nanocrystals. <i>Advanced Materials</i> , 2020, 32, e2002163.	11.1	59
31	Pinning Efficiency of Artificial Pinning Centers in Superconductor Nanocomposite Films. , 2020, , 29-52.		4
32	Effect of Al ₂ O ₃ Seed-Layer on the Dielectric and Electrical Properties of Ultrathin MgO Films Fabricated Using <i>In Situ</i> Atomic Layer Deposition. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 30368-30375.	4.0	10
33	Using Silver Nanoparticles-Embedded Silica Metafilms as Substrates to Enhance the Performance of Perovskite Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 32301-32309.	4.0	37
34	The angular range of effective pinning by one-dimensional artificial pinning centers in BaZrO ₃ /YBa ₂ Cu ₃ O _{7-x} nanocomposite films. <i>AIP Advances</i> , 2019, 9, .	0.6	6
35	Plasmonic WS ₂ Nanodiscs/Graphene van der Waals Heterostructure Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 33390-33398.	4.0	41
36	Intervalley Quantum Coherence Transfer and Coherently-Induced Chiral Plasmon Fields in WS ₂ "Metallic Nanoantenna Systems. <i>ACS Photonics</i> , 2019, 6, 2441-2449.	3.2	4

#	ARTICLE	IF	CITATIONS
37	Controlling the Dirac point voltage of graphene by mechanically bending the ferroelectric gate of a graphene field effect transistor. <i>Materials Horizons</i> , 2019, 6, 302-310.	6.4	21
38	High-Performance All-Inorganic CsPbCl ₃ Perovskite Nanocrystal Photodetectors with Superior Stability. <i>ACS Nano</i> , 2019, 13, 1772-1783.	7.3	105
39	Comparison Study of the Flux Pinning Enhancement of YBa ₂ Cu ₃ O _{7-δ} Thin Films With BaHfO ₃ + Y ₂ O ₃ Single- and Mixed-Phase Additions. <i>IEEE Transactions on Applied Superconductivity</i> , 2019, 29, 1-5.	1.1	7
40	Controllable Synthesis of Monodispersed FeS ₂ Nanocrystals for High-Performance Optoelectronic Devices. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 19286-19293.	4.0	18
41	Inkjet Printing Multicolor Pixelated Quantum Dots on Graphene for Broadband Photodetection. <i>ACS Applied Nano Materials</i> , 2019, 2, 3246-3252.	2.4	21
42	Pinning Efficiency of One-Dimensional Artificial Pinning Centers in YBa ₂ Cu ₃ O _{7-x} Thin Films. <i>IEEE Transactions on Applied Superconductivity</i> , 2019, 29, 1-5.	1.1	5
43	Electron tunneling properties of Al ₂ O ₃ tunnel barrier made using atomic layer deposition in multilayer devices. <i>AIP Advances</i> , 2019, 9, .	0.6	10
44	Functional Metal-oxide Plasmonic Metastructures: Ultrabright Semiconductor Quantum Dots with Polarized Spontaneous Emission and Suppressed Auger Recombination. <i>Physical Review Applied</i> , 2019, 11, .	1.5	14
45	Photodetectors: Ultrahigh-Sensitive Broadband Photodetectors Based on Dielectric Shielded MoTe ₂ /Graphene/SnS ₂ p-n Junctions (<i>Adv. Mater.</i> 6/2019). <i>Advanced Materials</i> , 2019, 31, 1970040.	11.1	13
46	Extraordinary Sensitivity of Surface-Enhanced Raman Spectroscopy of Molecules on MoS ₂ (WS ₂) Nanodomains/Graphene van der Waals Heterostructure Substrates. <i>Advanced Optical Materials</i> , 2019, 7, 1801249.	3.6	73
47	Plasmonic Au Nanoparticles on 2D MoS ₂ /Graphene van der Waals Heterostructures for High-Sensitivity Surface-Enhanced Raman Spectroscopy. <i>ACS Applied Nano Materials</i> , 2019, 2, 1412-1420.	2.4	53
48	Inkjet-Printed Imbedded Graphene Nanoplatelet/Zinc Oxide Bulk Heterojunctions Nanocomposite Films for Ultraviolet Photodetection. <i>ACS Omega</i> , 2019, 4, 22497-22503.	1.6	10
49	Lateral Graphene p-n Junctions Realized by Nanoscale Bipolar Doping Using Surface Electric Dipoles and Self-Organized Molecular Anions. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801380.	1.9	4
50	Ultrahigh-Sensitive Broadband Photodetectors Based on Dielectric Shielded MoTe ₂ /Graphene/SnS ₂ p-n Junctions. <i>Advanced Materials</i> , 2019, 31, e1805656.	11.1	138
51	Scalable Graphene-Organometal Halide Perovskite Heterostructure Fabricated by Dry Transfer. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801419.	1.9	11
52	Mixed Artificial Pinning Centers by Single-Doping BaZrO ₃ and Double-Doping BaZrO ₃ +Y ₂ O ₃ O ₃ YBa ₂ Cu ₃ O _{7-x} on Flat and Vicinal Substrates. <i>IEEE Transactions on Applied Superconductivity</i> , 2018, 28, 1-4.	1.1	4
53	Broadband Photodetectors Enabled by Localized Surface Plasmonic Resonance in Doped Iron Pyrite Nanocrystals. <i>Advanced Optical Materials</i> , 2018, 6, 1701241.	3.6	32
54	Microscopic adaptation of BaHfO ₃ and Y ₂ O ₃ artificial pinning centers for strong and isotropic pinning landscape in YBa ₂ Cu ₃ O _{7-x} thin films. <i>Superconductor Science and Technology</i> , 2018, 31, 025008.	1.8	27

#	ARTICLE	IF	CITATIONS
55	Probing the Dielectric Properties of Ultrathin Al/Al ₂ O ₃ /Al Trilayers Fabricated Using <i>in Situ</i> Sputtering and Atomic Layer Deposition. ACS Applied Materials & Interfaces, 2018, 10, 3112-3120.	4.0	49
56	High-Sensitivity Light Detection via Gate Tuning of Organometallic Perovskite/PCBM Bulk Heterojunctions on Ferroelectric Pb _{0.92} La _{0.08} Zr _{0.52} Ti _{0.48} O ₃ Gated Graphene Field Effect Transistors. ACS Applied Materials & Interfaces, 2018, 10, 12824-12830.	4.0	20
57	Polarity- Controlled Attachment of Cytochrome C for High-Performance Cytochrome C/Graphene van der Waals Heterojunction Photodetectors. Advanced Functional Materials, 2018, 28, 1704797.	7.8	18
58	Interface Nanojunction Engineering of Electron-Depleted Tungsten Oxide Nanoparticles for High-Performance Ultraviolet Photodetection. ACS Applied Nano Materials, 2018, 1, 394-400.	2.4	13
59	Heat-Assisted Inkjet Printing of Tungsten Oxide for High-Performance Ultraviolet Photodetectors. ACS Applied Materials & Interfaces, 2018, 10, 873-879.	4.0	37
60	Broadband Photodetectors: Broadband Photodetectors Enabled by Localized Surface Plasmonic Resonance in Doped Iron Pyrite Nanocrystals (Advanced Optical Materials 8/2018). Advanced Optical Materials, 2018, 6, 1870033.	3.6	2
61	Probing the effect of interface on vortex pinning efficiency of one-dimensional BaZrO ₃ and BaHfO ₃ artificial pinning centers in YBa ₂ Cu ₃ O _{7-x} thin films. Applied Physics Letters, 2018, 113, .	1.5	22
62	Printing High-Performance Tungsten Oxide Thin Film Ultraviolet Photodetectors on ZnO Quantum Dot Textured SiO ₂ Surface. IEEE Sensors Journal, 2018, 18, 9542-9547.	2.4	15
63	<i>In situ</i> atomic layer deposition and electron tunneling characterization of monolayer Al ₂ O ₃ on Fe for magnetic tunnel junctions. AIP Advances, 2018, 8, .	0.6	13
64	Probing the Correlation of Twin Boundaries and Charge Transport of CdTe Solar Cells Using Electron Backscattering Diffraction and Conductive Atomic Force Microscopy. ACS Applied Energy Materials, 2018, 1, 3646-3653.	2.5	2
65	Disordered Bilayered V ₂ O ₅ H ₂ O Shells Deposited on Vertically Aligned Carbon Nanofiber Arrays as Stable High-Capacity Sodium Ion Battery Cathodes Energy Technology, 2018, 6, 2438-2449.	1.8	10
66	Detecting Electric Dipoles Interaction at the Interface of Ferroelectric and Electrolyte Using Graphene Field Effect Transistors. ACS Applied Materials & Interfaces, 2017, 9, 4244-4252.	4.0	16
67	Photodetectors: High-Performance Photodetectors Based on Effective Exciton Dissociation in Protein-Adsorbed Multiwalled Carbon Nanotube Nanohybrids (Advanced Optical Materials 1/2017). Advanced Optical Materials, 2017, 5, .	3.6	1
68	Fused Nanojunctions of Electron-Depleted ZnO Nanoparticles for Extraordinary Performance in Ultraviolet Detection. Advanced Materials Interfaces, 2017, 4, 1601064.	1.9	37
69	Transfer-free and printable graphene/ZnO-nanoparticle nanohybrid photodetectors with high performance. Journal of Materials Chemistry C, 2017, 5, 6427-6432.	2.7	21
70	Quantum Dots-Facilitated Printing of ZnO Nanostructure Photodetectors with Improved Performance. ACS Applied Materials & Interfaces, 2017, 9, 23189-23194.	4.0	13
71	All-Printable ZnO Quantum Dots/Graphene van der Waals Heterostructures for Ultrasensitive Detection of Ultraviolet Light. ACS Nano, 2017, 11, 4114-4123.	7.3	158
72	Study of the Flux Pinning Landscape of YBCO Thin Films With Single and Mixed Phase Additions BaMO ₃ + Z: M = Hf, Sn, Zr and Z = Y ₂ O ₃ , Y ₂ O ₃ . IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	31

#	ARTICLE	IF	CITATIONS
73	Printable Transfer-Free and Wafer-Size MoS ₂ /Graphene van der Waals Heterostructures for High-Performance Photodetection. ACS Applied Materials & Interfaces, 2017, 9, 12728-12733.	4.0	82
74	Designing the Interface of Carbon Nanotube/Biomaterials for High-Performance Ultra-Broadband Photodetection. ACS Applied Materials & Interfaces, 2017, 9, 11016-11024.	4.0	34
75	Enhancement of Isotropic Pinning Force in YBCO Films With BaZrO ₃ Nanorods and Y ₂ O ₃ Nanoparticles. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	16
76	Effect of an Interfacial Layer on Electron Tunneling through Atomically Thin Al ₂ O ₃ Tunnel Barriers. ACS Applied Materials & Interfaces, 2017, 9, 37468-37475.	4.0	18
77	Generating mixed morphology BaZrO ₃ artificial pinning centers for strong and isotropic pinning in BaZrO ₃ â€“Y ₂ O ₃ double-doped YBCO thin films. Superconductor Science and Technology, 2017, 30, 125011.	1.8	15
78	Using Bulk Heterojunctions and Selective Electron Trapping to Enhance the Responsivity of Perovskiteâ€“Graphene Photodetectors. Advanced Functional Materials, 2017, 27, 1704173.	7.8	79
79	Transformational dynamics of BZO and BHO nanorods imposed by Y ₂ O ₃ nanoparticles for improved isotropic pinning in YBa ₂ Cu ₃ O _{7-δ} thin films. AIP Advances, 2017, 7, .	0.6	20
80	Oxygen Plasma Surface Activation of Electronâ€“Depleted ZnO Nanoparticle Films for Performanceâ€“Enhanced Ultraviolet Photodetectors. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1700176.	0.8	17
81	Interactive modeling-synthesis-characterization approach towards controllable <i>in situ</i> self-assembly of artificial pinning centers in RE-123 films. Superconductor Science and Technology, 2017, 30, 103002.	1.8	42
82	Self-Organization of Ions at the Interface between Graphene and Ionic Liquid DEME-TFSI. ACS Applied Materials & Interfaces, 2017, 9, 35437-35443.	4.0	17
83	Facile zinc oxide nanowire growth on graphene via a hydrothermal floating method: towards Debye length radius nanowires for ultraviolet photodetection. Journal of Materials Chemistry C, 2017, 5, 10087-10093.	2.7	44
84	Printable Nanocomposite FeS ₂ â€“PbS Nanocrystals/Graphene Heterojunction Photodetectors for Broadband Photodetection. ACS Applied Materials & Interfaces, 2017, 9, 27801-27808.	4.0	37
85	Atomically Thin Al_2O_3 Films for Tunnel Junctions. Physical Review Applied, 2017, 7, .	1.1	35
86	Highâ€“Performance Photodetectors Based on Effective Exciton Dissociation in Proteinâ€“Adsorbed Multiwalled Carbon Nanotube Nanohybrids. Advanced Optical Materials, 2017, 5, 1600478.	3.6	10
87	Development of Combinatorial Pulsed Laser Deposition for Expedited Device Optimization in CdTe/CdS Thin-Film Solar Cells. International Journal of Optics, 2016, 2016, 1-7.	0.6	5
88	Effect of <i>In Situ</i> Thermal Annealing on Structural, Optical, and Electrical Properties of CdS/CdTe Thin Film Solar Cells Fabricated by Pulsed Laser Deposition. Advances in Condensed Matter Physics, 2016, 2016, 1-8.	0.4	10
89	Graphene/GaSe-Nanosheet Hybrid: Towards High Gain and Fast Photoresponse. Scientific Reports, 2016, 6, 19161.	1.6	79
90	Lithium Ion Batteries: Highly Stable Three Lithium Insertion in Thin V ₂ O ₅ Shells on Vertically Aligned Carbon Nanofiber Arrays for Ultrahigh-Capacity Lithium Ion Battery Cathodes (Adv. Mater. Interfaces) Tj ETQq0 0 0 rBT /Overlock 10 Tf		

#	ARTICLE	IF	CITATIONS
91	Correlation of microscopic grain evolution in post-CdCl ₂ annealing and performance of CdS/CdTe thin-film solar cells fabricated using pulsed laser deposition. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 3231-3237.	0.8	1
92	Highly Stable Three Lithium Insertion in Thin V ₂ O ₅ Shells on Vertically Aligned Carbon Nanofiber Arrays for Ultrahigh-Capacity Lithium Ion Battery Cathodes. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600824.	1.9	28
93	Hot Exciton Relaxation and Exciton Trapping in Single-Walled Carbon Nanotube Thin Films. <i>Journal of Physical Chemistry C</i> , 2016, 120, 24482-24490.	1.5	10
94	Growing Ultra-flat Organic Films on Graphene with a Face-on Stacking via Moderate Molecule-Substrate Interaction. <i>Scientific Reports</i> , 2016, 6, 28895.	1.6	31
95	Nondestructive Investigation of Heterojunction Interfacial Properties Using Two-Wavelength Raman Spectroscopy on Thin-Film CdS/CdTe Solar Cells. <i>Applied Spectroscopy</i> , 2016, 70, 1555-1560.	1.2	2
96	Time-Resolved Measurements of Photocarrier Dynamics in TiS ₃ Nanoribbons. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 18334-18338.	4.0	35
97	Effect of Interlayer Coupling on Ultrafast Charge Transfer from Semiconducting Molecules to Mono- and Bilayer Graphene. <i>Physical Review Applied</i> , 2015, 4, .	1.5	19
98	Influence of the lattice strain decay on the diameter of self assembled secondary phase nanorod array in epitaxial films. <i>Journal of Applied Physics</i> , 2015, 118, .	1.1	19
99	Plasmonic Three-Dimensional Transparent Conductor Based on Al-Doped Zinc Oxide-Coated Nanostructured Glass Using Atomic Layer Deposition. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 8556-8561.	4.0	7
100	Synchronous growth of AB-stacked bilayer graphene on Cu by simply controlling hydrogen pressure in CVD process. <i>Carbon</i> , 2015, 93, 199-206.	5.4	54
101	High sensitivity surface enhanced Raman spectroscopy of R6G on in situ fabricated Au nanoparticle/graphene plasmonic substrates. <i>Carbon</i> , 2015, 86, 78-85.	5.4	76
102	Wrapping cytochrome c around single-wall carbon nanotube: engineered nanohybrid building blocks for infrared detection at high quantum efficiency. <i>Scientific Reports</i> , 2015, 5, 11328.	1.6	22
103	Probing Microscopic Strain Interplay Due to Impurity Doping and Vicinal Growth and Its Effect on Pinning Landscape in YBCO Films. <i>IEEE Transactions on Applied Superconductivity</i> , 2015, 25, 1-5.	1.1	6
104	Effective Infiltration of Gel Polymer Electrolyte into Silicon-Coated Vertically Aligned Carbon Nanofibers as Anodes for Solid-State Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 20909-20918.	4.0	37
105	Detangling extrinsic and intrinsic hysteresis for detecting dynamic switch of electric dipoles using graphene field-effect transistors on ferroelectric gates. <i>Nanoscale</i> , 2015, 7, 18489-18497.	2.8	38
106	High-rate lithium-ion battery anodes based on silicon-coated vertically aligned carbon nanofibers. , 2014, , .		1
107	Integrating atomic layer deposition and ultra-high vacuum physical vapor deposition for in situ fabrication of tunnel junctions. <i>Review of Scientific Instruments</i> , 2014, 85, 073904.	0.6	15
108	Study of Ar+O ₂ deposition pressures on properties of pulsed laser deposited CdTe thin films at high substrate temperature. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 1901-1907.	1.1	7

#	ARTICLE	IF	CITATIONS
109	Enhanced dielectric nonlinearity in epitaxial Pb _{0.92} La _{0.08} Zr _{0.52} Ti _{0.48} O ₃ thin films. Applied Physics Letters, 2014, 104, .	1.5	20
110	Photodetection Based on Ionic Liquid Gated Plasmonic Ag Nanoparticle/Graphene Nanohybrid Field Effect Transistors. Advanced Optical Materials, 2014, 2, 729-736.	3.6	36
111	Dimension effect on the performance of carbon nanotube nanobolometers. Nanotechnology, 2014, 25, 425503.	1.3	11
112	Atomic Layer Deposition of Al-Doped ZnO/Al ₂ O ₃ Double Layers on Vertically Aligned Carbon Nanofiber Arrays. ACS Applied Materials & Interfaces, 2014, 6, 6865-6871.	4.0	23
113	Fabrication of $\text{NbAl}_2\text{O}_3/\text{Nb}$ Josephson Junctions Using In Situ Magnetron Sputtering and Atomic Layer Deposition. IEEE Transactions on Applied Superconductivity, 2013, 23, 1100705-1100705.	1.1	16
114	Probing the Nucleation of Al_2O_3 in Atomic Layer Deposition on Aluminum for Ultrathin Tunneling Barriers in Josephson Junctions. IEEE Transactions on Applied Superconductivity, 2013, 23, 1101405-1101405.	1.1	19
115	A high-performance lithium-ion battery anode based on the core-shell heterostructure of silicon-coated vertically aligned carbon nanofibers. Journal of Materials Chemistry A, 2013, 1, 1055-1064.	5.2	81
116	Development of a Seedless Floating Growth Process in Solution for Synthesis of Crystalline ZnO Micro/Nanowire Arrays on Graphene: Towards High-Performance Nanohybrid Ultraviolet Photodetectors. Advanced Functional Materials, 2013, 23, 4941-4948.	7.8	84
117	Iron Pyrite: Iron Pyrite (FeS ₂) Broad Spectral and Magnetically Responsive Photodetectors (Advanced Optical Materials 1/2013). Advanced Optical Materials, 2013, 1, 77-77.	3.6	0
118	Iron Pyrite (FeS ₂) Broad Spectral and Magnetically Responsive Photodetectors. Advanced Optical Materials, 2013, 1, 78-83.	3.6	44
119	High Photoresponse in Hybrid Graphene-Carbon Nanotube Infrared Detectors. ACS Applied Materials & Interfaces, 2013, 5, 11703-11707.	4.0	47
120	The effects of pressure on the fabrication of CdS/CdTe thin film solar cells made via pulsed laser deposition. , 2013, , .		2
121	Pulsed Laser Deposition of thin film CdTe/CdS solar cells with CdS/ZnS superlattice windows. , 2013, , .		3
122	Interactive Growth Effects of Rare-Earth Nanoparticles on Nanorod Formation in YBa ₂ Cu ₃ O _x Thin Films. Advanced Functional Materials, 2013, 23, 4826-4831.	7.8	20
123	Structural transition of secondary phase oxide nanorods in epitaxial YBa ₂ Cu ₃ O _{7-δ} films on vicinal substrates. Philosophical Magazine, 2012, 92, 4205-4214.	0.7	21
124	Extraordinary Photocurrent Harvesting at Type-II Heterojunction Interfaces: Toward High Detectivity Carbon Nanotube Infrared Detectors. Nano Letters, 2012, 12, 6244-6249.	4.5	76
125	Development of pulsed laser deposition for CdS/CdTe thin film solar cells. Applied Physics Letters, 2012, 101, .	1.5	45
126	Micromechanical model for self-organized secondary phase oxide nanorod arrays in epitaxial YBa ₂ Cu ₃ O _{7-δ} films. Philosophical Magazine, 2012, 92, 2911-2922.	0.7	39

#	ARTICLE	IF	CITATIONS
127	Plasmonic Graphene Transparent Conductors. <i>Advanced Materials</i> , 2012, 24, OP71-6.	11.1	39
128	Graphene: Plasmonic Graphene Transparent Conductors (Adv. Mater. 10/2012). <i>Advanced Materials</i> , 2012, 24, OP70-OP70.	11.1	3
129	A comparative study of 1/f noise and temperature coefficient of resistance in multiwall and single-wall carbon nanotube bolometers. <i>Nanotechnology</i> , 2011, 22, 265503.	1.3	14
130	Triangular Graphene Grain Growth on Cu Textured Cu Substrates. <i>Advanced Functional Materials</i> , 2011, 21, 3868-3874.	7.8	31
131	Doped graphene nanohole arrays for flexible transparent conductors. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	36
132	Investigation of Dynamic Behaviors of Low-Level Dissipation at $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Grain Boundaries Using Low-Temperature Near-Field Scanning Microwave Microscopy. <i>IEEE Transactions on Applied Superconductivity</i> , 2011, 21, 3238-3242.	1.1	0
133	Eliminating thickness dependence of critical current density in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ films with aligned BaZrO_3 nanorods. <i>Journal of Applied Physics</i> , 2010, 108, .	1.1	37
134	High performance multiwall carbon nanotube bolometers. <i>Journal of Applied Physics</i> , 2010, 108, .	1.1	60
135	The effect of annealing on the photoconductivity of carbon nanofiber/TiO ₂ core-shell nanowires for use in dye-sensitized solar cells. <i>Applied Physics Letters</i> , 2010, 97, 043102.	1.5	9
136	Microstructural Characterization of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Films With BaZrO_3 Nanorods Grown on Vicinal SrTiO_3 Substrates. <i>IEEE Transactions on Applied Superconductivity</i> , 2009, 19, 3371-3374.	1.1	5
137	A Comparative Study of Nonlinear Microwave Properties in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$, TlBaCaCuO and HgBaCaCuO Microstrip Resonators. <i>IEEE Transactions on Applied Superconductivity</i> , 2009, 19, 2913-2916.	1.1	5
138	Suspending single-wall carbon nanotube thin film infrared bolometers on microchannels. <i>Applied Physics Letters</i> , 2009, 94, .	1.5	83
139	Effects of thermal annealing on noise property and temperature coefficient of resistance of single-walled carbon nanotube films. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	41
140	In situ switch of boron nanowire growth mode from vapor-liquid-solid to oxide-assisted growth. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	8
141	Combining Near-Field Scanning Microwave Microscopy With Transport Measurement for Imaging Current-Obstructing Defects in HTS Films. <i>IEEE Transactions on Applied Superconductivity</i> , 2007, 17, 3219-3222.	1.1	6
142	Third-order intermodulation in two-pole X-band $\text{HgBa}_2\text{CaCu}_2\text{O}_{6+\delta}$ microstrip filters. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	7
143	Fabrication of Three-Pole $\text{HgBa}_2\text{CaCu}_2\text{O}_{6+\delta}$ Hairpin Filter and Characterization of Its Third Order Intermodulation. <i>IEEE Transactions on Applied Superconductivity</i> , 2007, 17, 914-917.	1.1	3
144	Textured Ion-Beam Assisted Deposition: Magnesium Oxide Template on Non-Metallic Flexible Ceraflex for Epitaxial Growth of Perovskite Films. <i>Journal of Electronic Materials</i> , 2007, 36, 1258-1264.	1.0	5

#	ARTICLE	IF	CITATIONS
145	Ion beam assisted deposition of textured magnesium oxide templates on un-buffered glass and silicon substrates. <i>Journal of Materials Research</i> , 2006, 21, 194-198.	1.2	9
146	Fabrication and characterization of two-pole X-band HgBa ₂ CaCu ₂ O ₆ + δ microstrip filters. <i>Applied Physics Letters</i> , 2006, 88, 092507.	1.5	8
147	A comparative study of simulated and experimentally obtained nonuniformity in thermal and electrical properties of conducting films. <i>Journal of Applied Physics</i> , 2006, 100, 083709.	1.1	2
148	Application of near-field scanning microwave microprobe to electrical current density mapping. <i>Applied Physics Letters</i> , 2005, 86, 234101.	1.5	6
149	Development of a dual-channel scanning microwave/optical microprobe. <i>Applied Physics Letters</i> , 2004, 84, 1979-1981.	1.5	5
150	Real-time Degradation Study of HgBa ₂ CaCu ₂ O ₆ + δ Thin Film Using Near-field Scanning Microwave and Optical Dual Probe. <i>Materials Research Society Symposia Proceedings</i> , 2001, 689, 1.	0.1	0
151	Microwave-power handling capability of HgBa ₂ CaCu ₂ O ₆ + δ superconducting microstrip lines. <i>Applied Physics Letters</i> , 2001, 79, 2417-2419.	1.5	16
152	Preferentially oriented (La, Sr)CoO ₃ /PbLa _{0.1} TiO ₃ (La, Sr)CoO ₃ tri-layers on lithium-fluoride and sodium-chloride substrates. <i>Integrated Ferroelectrics</i> , 2000, 28, 103-112.	0.3	1
153	Ligands Anchoring Stabilizes Metal Halide Perovskite Nanocrystals. <i>Advanced Optical Materials</i> , 0, , 2101012.	3.6	5