

# Necmi Biyikli

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2101608/publications.pdf>

Version: 2024-02-01

143  
papers

4,207  
citations

109137

35  
h-index

128067

60  
g-index

143  
all docs

143  
docs citations

143  
times ranked

5147  
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of zinc interstitials and oxygen vacancies of ZnO in photocatalysis: a bottom-up approach to control defect density. <i>Nanoscale</i> , 2014, 6, 10224-10234.	2.8	320
2	Polymer-Inorganic Core-Shell Nanofibers by Electrospinning and Atomic Layer Deposition: Flexible Nylon-ZnO Core-Shell Nanofiber Mats and Their Photocatalytic Activity. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 6185-6194.	4.0	150
3	RF MEMS Integrated Frequency Reconfigurable Annular Slot Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2010, 58, 626-632.	3.1	147
4	Facile Synthesis of Three-Dimensional Pt-TiO <sub>2</sub> Nano-networks: A Highly Active Catalyst for the Hydrolytic Dehydrogenation of Ammonia-Borane. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12257-12261.	7.2	141
5	Selective isolation of the electron or hole in photocatalysis: ZnO-TiO <sub>2</sub> and TiO <sub>2</sub> -ZnO core-shell structured heterojunction nanofibers via electrospinning and atomic layer deposition. <i>Nanoscale</i> , 2014, 6, 5735.	2.8	139
6	Hollow cathode plasma-assisted atomic layer deposition of crystalline AlN, GaN and Al <sub>x</sub> Ga <sub>1-x</sub> N thin films at low temperatures. <i>Journal of Materials Chemistry C</i> , 2014, 2, 2123-2136.	2.7	133
7	Optimization of a-plane GaN growth by MOCVD on r-plane sapphire. <i>Journal of Crystal Growth</i> , 2006, 290, 166-170.	0.7	132
8	Solar-Blind AlGaIn-Based p-i-n Photodiodes With Low Dark Current and High Detectivity. <i>IEEE Photonics Technology Letters</i> , 2004, 16, 1718-1720.	1.3	116
9	Structural properties of AlN films deposited by plasma-enhanced atomic layer deposition at different growth temperatures. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012, 209, 266-271.	0.8	111
10	Capacitance-conductance-current-voltage characteristics of atomic layer deposited Au/Ti/Al <sub>2</sub> O <sub>3</sub> /n-GaAs MIS structures. <i>Materials Science in Semiconductor Processing</i> , 2015, 39, 400-407.	1.9	108
11	Solar-blind AlGaIn-based Schottky photodiodes with low noise and high detectivity. <i>Applied Physics Letters</i> , 2002, 81, 3272-3274.	1.5	97
12	Enhanced photocatalytic activity of homoassembled ZnO nanostructures on electrospun polymeric nanofibers: A combination of atomic layer deposition and hydrothermal growth. <i>Applied Catalysis B: Environmental</i> , 2014, 156-157, 173-183.	10.8	89
13	Self-limiting low-temperature growth of crystalline AlN thin films by plasma-enhanced atomic layer deposition. <i>Thin Solid Films</i> , 2012, 520, 2750-2755.	0.8	86
14	High-Performance Solar-Blind Photodetectors Based on Al <sub>x</sub> Ga <sub>1-x</sub> N Heterostructures. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2004, 10, 742-751.	1.9	84
15	Perovskite/perovskite planar tandem solar cells: A comprehensive guideline for reaching energy conversion efficiency beyond 30%. <i>Nano Energy</i> , 2021, 79, 105400.	8.2	69
16	Atomic layer deposition: an enabling technology for the growth of functional nanoscale semiconductors. <i>Semiconductor Science and Technology</i> , 2017, 32, 093002.	1.0	63
17	High-speed visible-blind GaN-based indium-tin-oxide Schottky photodiodes. <i>Applied Physics Letters</i> , 2001, 79, 2838-2840.	1.5	62
18	Atomic layer deposition of GaN at low temperatures. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2012, 30, 01A124.	0.9	62

#	ARTICLE	IF	CITATIONS
19	Low temperature deposition of Ga <sub>2</sub> O <sub>3</sub> thin films using trimethylgallium and oxygen plasma. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2013, 31, .	0.9	62
20	InGaAs-based high-performance p-i-n photodiodes. IEEE Photonics Technology Letters, 2002, 14, 366-368.	1.3	61
21	High-Speed InSb Photodetectors on GaAs for Mid-IR Applications. IEEE Journal of Selected Topics in Quantum Electronics, 2004, 10, 766-770.	1.9	61
22	All-Silicon Ultra-Broadband Infrared Light Absorbers. Scientific Reports, 2016, 6, 38589.	1.6	57
23	Transformation of polymer-ZnO core-shell nanofibers into ZnO hollow nanofibers: Intrinsic defect reorganization in ZnO and its influence on the photocatalysis. Applied Catalysis B: Environmental, 2015, 176-177, 646-653.	10.8	56
24	Defect reduction in (112̂0) a-plane GaN by two-stage epitaxial lateral overgrowth. Applied Physics Letters, 2006, 89, 262105.	1.5	55
25	Surface-decorated ZnO nanoparticles and ZnO nanocoating on electrospun polymeric nanofibers by atomic layer deposition for flexible photocatalytic nanofibrous membranes. RSC Advances, 2013, 3, 6817.	1.7	54
26	High-speed solar-blind photodetectors with indium-tin-oxide Schottky contacts. Applied Physics Letters, 2003, 82, 2344-2346.	1.5	51
27	Electrical characteristics of ̂ <sup>2</sup> -Ga <sub>2</sub> O <sub>3</sub> thin films grown by PEALD. Journal of Alloys and Compounds, 2014, 593, 190-195.	2.8	49
28	The influence of N <sub>2</sub> /H <sub>2</sub> and ammonia N source materials on optical and structural properties of AlN films grown by plasma enhanced atomic layer deposition. Journal of Crystal Growth, 2011, 335, 51-57.	0.7	47
29	Water-soluble non-polymeric electrospun cyclodextrin nanofiber template for the synthesis of metal oxide tubes by atomic layer deposition. RSC Advances, 2014, 4, 61698-61705.	1.7	45
30	High-speed >90% quantum-efficiency p-i-n photodiodes with a resonance wavelength adjustable in the 795-835 nm range. Applied Physics Letters, 1999, 74, 1072-1074.	1.5	42
31	AlGaIn-based high-performance metal-semiconductor-metal photodetectors. Photonics and Nanostructures - Fundamentals and Applications, 2007, 5, 53-62.	1.0	41
32	InSb high-speed photodetectors grown on GaAs substrate. Journal of Applied Physics, 2003, 94, 5414.	1.1	40
33	Effect of postdeposition annealing on the electrical properties of ̂ <sup>2</sup> -Ga <sub>2</sub> O <sub>3</sub> thin films grown on Si by plasma-enhanced atomic layer deposition. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2014, 32, .	0.9	38
34	Size-controlled conformal nanofabrication of biotemplated three-dimensional TiO <sub>2</sub> and ZnO nanonetworks. Scientific Reports, 2013, 3, 2306.	1.6	37
35	Influence of coumarin as an additive on CuO nanostructures prepared by successive ionic layer adsorption and reaction (SILAR) method. Journal of Alloys and Compounds, 2013, 566, 78-82.	2.8	36
36	Facile Synthesis of Three-Dimensional Pt-TiO <sub>2</sub> Nanonetworks: A Highly Active Catalyst for the Hydrolytic Dehydrogenation of Ammonia-Borane. Angewandte Chemie, 2016, 128, 12445-12449.	1.6	35

#	ARTICLE	IF	CITATIONS
37	High bandwidth-efficiency solar-blind AlGaIn Schottky photodiodes with low dark current. Solid-State Electronics, 2005, 49, 117-122.	0.8	34
38	Optical properties of AlN thin films grown by plasma enhanced atomic layer deposition. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2012, 30, .	0.9	33
39	Low-temperature Deposition of Hexagonal Boron Nitride via Sequential Injection of Triethylboron and $N_2/H_2$ Plasma. Journal of the American Ceramic Society, 2014, 97, 4052-4059.	1.9	33
40	A Near-Infrared Range Photodetector Based on Indium Nitride Nanocrystals Obtained Through Laser Ablation. IEEE Electron Device Letters, 2014, 35, 936-938.	2.2	33
41	Low-temperature self-limiting atomic layer deposition of wurtzite InN on Si(100). AIP Advances, 2016, 6, .	0.6	31
42	Substrate impact on the low-temperature growth of GaN thin films by plasma-assisted atomic layer deposition. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2016, 34, .	0.9	30
43	$CO_2$ laser polishing of microfluidic channels fabricated by femtosecond laser assisted carving. Journal of Micromechanics and Microengineering, 2016, 26, 115011.	1.5	29
44	Area-Selective Atomic Layer Deposition Using an Inductively Coupled Plasma Polymerized Fluorocarbon Layer: A Case Study for Metal Oxides. Journal of Physical Chemistry C, 2016, 120, 26393-26401.	1.5	29
45	Surface Decoration of Pt Nanoparticles via ALD with TiO <sub>2</sub> Protective Layer on Polymeric Nanofibers as Flexible and Reusable Heterogeneous Nanocatalysts. Scientific Reports, 2017, 7, 13401.	1.6	29
46	Nanoscale selective area atomic layer deposition of TiO <sub>2</sub> using e-beam patterned polymers. RSC Advances, 2016, 6, 106109-106119.	1.7	28
47	Effect of coumarin concentration on the physical properties of CdO nanostructures. Ceramics International, 2014, 40, 5237-5243.	2.3	27
48	ITO-Schottky Photodiodes for High-Performance Detection in the UV-IR Spectrum. IEEE Journal of Selected Topics in Quantum Electronics, 2004, 10, 759-765.	1.9	26
49	Au/TiO <sub>2</sub> nanorod-based Schottky-type UV photodetectors. Physica Status Solidi - Rapid Research Letters, 2012, 6, 442-444.	1.2	26
50	Fabrication of flexible polymer-GaN core-shell nanofibers by the combination of electrospinning and hollow cathode plasma-assisted atomic layer deposition. Journal of Materials Chemistry C, 2015, 3, 5199-5206.	2.7	26
51	High-speed GaAs-based resonant-cavity-enhanced 1.3 $\mu$ m photodetector. Applied Physics Letters, 2000, 77, 3890-3892.	1.5	24
52	Template-Based Synthesis of Aluminum Nitride Hollow Nanofibers Via Plasma-Enhanced Atomic Layer Deposition. Journal of the American Ceramic Society, 2013, 96, 916-922.	1.9	24
53	Comparison of trimethylgallium and triethylgallium as Ga-source materials for the growth of ultrathin GaN films on Si (100) substrates via hollow-cathode plasma-assisted atomic layer deposition. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2016, 34, 01A137.	0.9	24
54	Current transport mechanisms in plasma-enhanced atomic layer deposited AlN thin films. Journal of Applied Physics, 2015, 117, .	1.1	23

#	ARTICLE	IF	CITATIONS
55	Electrospinning Combined with Atomic Layer Deposition to Generate Applied Nanomaterials: A Review. ACS Applied Nano Materials, 2020, 3, 6186-6209.	2.4	23
56	Perfectly absorbing ultra thin interference coatings for hydrogen sensing. Optics Letters, 2016, 41, 1724.	1.7	22
57	High-speed characterization of solar-blind Al <sub>x</sub> Ga <sub>1-x</sub> N photodiodes. Semiconductor Science and Technology, 2004, 19, 1259-1262.	1.0	21
58	Pd nanocube decoration onto flexible nanofibrous mats of core-shell polymer-ZnO nanofibers for visible light photocatalysis. New Journal of Chemistry, 2017, 41, 4145-4156.	1.4	21
59	Fabrication of hafnia hollow nanofibers by atomic layer deposition using electrospun nanofiber templates. Journal of Alloys and Compounds, 2013, 559, 146-151.	2.8	20
60	Fabrication of AlN/BN bishell hollow nanofibers by electrospinning and atomic layer deposition. APL Materials, 2014, 2, 096109.	2.2	20
61	Low temperature atomic layer deposited ZnO photo thin film transistors. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2015, 33, .	0.9	20
62	Low-Temperature As-Grown Crystalline $\text{In}^{2-}\text{Ga}_{2-}\text{O}_{3-}$ Films via Plasma-Enhanced Atomic Layer Deposition. ACS Applied Materials & Interfaces, 2021, 13, 8538-8551.	4.0	20
63	Amorphous to Tetragonal Zirconia Nanostructures and Evolution of Valence and Core Regions. Journal of Physical Chemistry C, 2015, 119, 23268-23273.	1.5	19
64	Substrate temperature influence on the properties of GaN thin films grown by hollow-cathode plasma-assisted atomic layer deposition. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2016, 34, .	0.9	19
65	Real-time <i>in situ</i> ellipsometric monitoring of aluminum nitride film growth via hollow-cathode plasma-assisted atomic layer deposition. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2019, 37, .	0.9	19
66	Quantitative mobility spectrum analysis of AlGa <sub>x</sub> N/GaN heterostructures using variable-field hall measurements. Applied Physics Letters, 2006, 88, 142106.	1.5	18
67	Low temperature thin film transistors with hollow cathode plasma-assisted atomic layer deposition based GaN channels. Applied Physics Letters, 2014, 104, .	1.5	18
68	Low-temperature grown wurtzite In <sub>x</sub> Ga <sub>1-x</sub> N thin films via hollow cathode plasma-assisted atomic layer deposition. Journal of Materials Chemistry C, 2015, 3, 9620-9630.	2.7	18
69	Atomic layer deposition of metal oxides for efficient perovskite single-junction and perovskite/silicon tandem solar cells. RSC Advances, 2020, 10, 14856-14866.	1.7	18
70	Electrical characteristics of Au/Ti/n-GaAs contacts over a wide measurement temperature range. Physica Scripta, 2014, 89, 095804.	1.2	17
71	Effect of annealing on electrical properties of radio-frequency-sputtered ZnO films. Journal of Electronic Materials, 2006, 35, 520-524.	1.0	16
72	Elucidating the role of nitrogen plasma composition in the low-temperature self-limiting growth of indium nitride thin films. RSC Advances, 2020, 10, 27357-27368.	1.7	16

#	ARTICLE	IF	CITATIONS
73	Three-Dimensional Microfabricated Broadband Patch Antenna for WiGig Applications. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 828-831.	2.4	15
74	(Invited) Plasma-Enhanced Atomic Layer Deposition of III-Nitride Thin Films. ECS Transactions, 2013, 58, 289-297.	0.3	14
75	Effect of O <sub>2</sub> /Ar flow ratio and post-deposition annealing on the structural, optical and electrical characteristics of SrTiO <sub>3</sub> thin films deposited by RF sputtering at room temperature. Thin Solid Films, 2015, 590, 193-199.	0.8	14
76	Monodispersed, Highly Interactive Facet (111)-Oriented Pd Nanograins by ALD onto Free-Standing and Flexible Electrospun Polymeric Nanofibrous Webs for Catalytic Application. Advanced Materials Interfaces, 2017, 4, 1700640.	1.9	14
77	Nanoelectromechanical switches for reconfigurable antennas. Microwave and Optical Technology Letters, 2010, 52, 64-69.	0.9	13
78	A study of the morphology of GaN seed layers on in situ deposited Si <sub>3</sub> N <sub>4</sub> and its effect on properties of overgrown GaN epilayers. Journal of Crystal Growth, 2006, 291, 301-308.	0.7	12
79	Optical characteristics of nanocrystalline Al <sub>x</sub> Ga <sub>1-x</sub> N thin films deposited by hollow cathode plasma-assisted atomic layer deposition. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2014, 32, .	0.9	12
80	Enhanced photoresponse of conformal TiO <sub>2</sub> /Ag nanorod array-based Schottky photodiodes fabricated via successive glancing angle and atomic layer deposition. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2015, 33, .	0.9	12
81	Understanding the role of rf-power on AlN film properties in hollow-cathode plasma-assisted atomic layer deposition. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2020, 38, .	0.9	12
82	Measurement of linear and cubic spin-orbit coupling parameters in AlGa <sub>N</sub> /AlN/GaN heterostructures with a polarization-induced two-dimensional electron gas. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1586-1589.	1.3	11
83	Low-voltage small-size double-arm MEMS actuator. Electronics Letters, 2009, 45, 354.	0.5	11
84	Electronic and optical device applications of hollow cathode plasma assisted atomic layer deposition based GaN thin films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2015, 33, .	0.9	11
85	Low-temperature hollow cathode plasma-assisted atomic layer deposition of crystalline III-nitride thin films and nanostructures. Physica Status Solidi C: Current Topics in Solid State Physics, 2015, 12, 394-398.	0.8	11
86	Protein-releasing conductive anodized alumina membranes for nerve-interface materials. Materials Science and Engineering C, 2016, 67, 590-598.	3.8	11
87	Postdeposition annealing on RF-sputtered SrTiO <sub>3</sub> thin films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2017, 35, .	0.9	11
88	High-speed 1.55 $\mu$ m operation of low-temperature-grown GaAs-based resonant-cavity-enhanced $\lambda$ -in photodiodes. Applied Physics Letters, 2004, 84, 4185-4187.	1.5	10
89	Fabrication and characterisation of solar-blind Al <sub>0.6</sub> Ga <sub>0.4</sub> N MSM photodetectors. Electronics Letters, 2005, 41, 274.	0.5	10
90	Metal-semiconductor-metal ultraviolet photodetectors based on gallium nitride grown by atomic layer deposition at low temperatures. Optical Engineering, 2014, 53, 107106.	0.5	10

#	ARTICLE	IF	CITATIONS
91	Long-range ordered vertical III-nitride nano-cylinder arrays via plasma-assisted atomic layer deposition. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6471-6482.	2.7	10
92	Illumination and annealing characteristics of two-dimensional electron gas systems in metal-organic vapor-phase epitaxy grown $\text{Al}_x\text{Ga}_{1-x}\text{N}/\text{AlN}/\text{GaN}$ heterostructures. <i>Journal of Applied Physics</i> , 2006, 100, 103702.	1.1	9
93	Magnetotransport properties of $\text{Al}_x\text{Ga}_{1-x}\text{N}/\text{AlN}/\text{GaN}$ heterostructures grown on epitaxial lateral overgrown GaN templates. <i>Journal of Applied Physics</i> , 2007, 101, 113710.	1.1	9
94	Electrical conduction and dielectric relaxation properties of AlN thin films grown by hollow-cathode plasma-assisted atomic layer deposition. <i>Semiconductor Science and Technology</i> , 2016, 31, 075003.	1.0	9
95	High-Performance Solar-Blind AlGaIn Schottky Photodiodes. <i>MRS Internet Journal of Nitride Semiconductor Research</i> , 2003, 8, 1.	1.0	8
96	Surface ionic states and structure of titanate nanotubes. <i>RSC Advances</i> , 2015, 5, 82977-82982.	1.7	8
97	Using nanogap in label-free impedance based electrical biosensors to overcome electrical double layer effect. <i>Microsystem Technologies</i> , 2017, 23, 889-897.	1.2	8
98	High-performance solar-blind AlGaIn photodetectors. , 2005, , .		7
99	Low-temperature sequential pulsed chemical vapor deposition of ternary $\text{B}_x\text{Ga}_{1-x}\text{N}$ and $\text{B}_x\text{In}_{1-x}\text{N}$ thin film alloys. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2016, 34, .	0.9	7
100	Self-assembled peptide nanofiber templated ALD growth of $\text{TiO}_2$ and ZnO semiconductor nanonetworks. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 3238-3244.	0.8	7
101	Properties of Hafnium Oxide Received by Ultra Violet Stimulated Plasma Anodization. <i>IEEE Transactions on Device and Materials Reliability</i> , 2017, 17, 667-671.	1.5	7
102	Utilizing embedded ultra-small Pt nanoparticles as charge trapping layer in flashristor memory cells. <i>Applied Surface Science</i> , 2019, 467-468, 715-722.	3.1	7
103	Effect of Film Thickness on the Electrical Properties of AlN Films Prepared by Plasma-Enhanced Atomic Layer Deposition. <i>IEEE Transactions on Electron Devices</i> , 2015, 62, 3627-3632.	1.6	6
104	Reusable and Flexible Heterogeneous Catalyst for Reduction of TNT by Pd Nanocube Decorated ZnO Nanolayers onto Electrospun Polymeric Nanofibers. <i>ChemistrySelect</i> , 2017, 2, 8790-8798.	0.7	5
105	Energy relaxation probed by weak antilocalization measurements in GaN heterostructures. <i>Journal of Applied Physics</i> , 2009, 106, 103702.	1.1	4
106	Practical multi-featured perfect absorber utilizing high conductivity silicon. <i>Journal of Optics (United Kingdom)</i> , 2016, 18, 035002.	1.0	4
107	A performance-enhanced planar Schottky diode for Terahertz applications: an electromagnetic modeling approach. <i>International Journal of Microwave and Wireless Technologies</i> , 2017, 9, 1905-1913.	1.5	4
108	Graphene as plasma-compatible blocking layer material for area-selective atomic layer deposition: A feasibility study for III-nitrides. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2018, 36, 01A107.	0.9	4

#	ARTICLE	IF	CITATIONS
109	Effect of reactor pressure on optical and electrical properties of InN films grown by high-pressure chemical vapor deposition. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2015, 12, 423-429.	0.8	3
110	Comparative Study on <i>in-situ</i> Ellipsometric Monitoring of III-Nitride Film Growth via Plasma-Enhanced Atomic Layer Deposition. <i>International Journal of High Speed Electronics and Systems</i> , 2019, 28, 1940020.	0.3	3
111	Real-time <i>in situ</i> process monitoring and characterization of GaN films grown on Si (100) by low-temperature hollow-cathode plasma-atomic layer deposition using trimethylgallium and N <sub>2</sub> /H <sub>2</sub> plasma. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2021, 39, .	0.9	3
112	Low-Temperature Self-Limiting Growth of III-Nitride Thin Films by Plasma-Enhanced Atomic Layer Deposition. <i>Nanoscience and Nanotechnology Letters</i> , 2012, 4, 1008-1014.	0.4	3
113	High-Speed Transparent Indium-Tin-Oxide Based Resonant Cavity Schottky Photodiode with Si <sub>3</sub> N <sub>4</sub> /SiO <sub>2</sub> Top Bragg Mirror. , 2001, , .		3
114	Excitation wavelength-dependent photoluminescence decay of single quantum dots near plasmonic gold nanoparticles. <i>Journal of Chemical Physics</i> , 2022, 156, 154701.	1.2	3
115	<i>In situ</i> monitoring atomic layer doping processes for Al-doped ZnO layers: Competitive nature of surface reactions between metal precursors. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2022, 40, .	0.9	3
116	COMPLEMENTARY SPIRAL RESONATORS FOR ULTRAWIDEBAND SUPPRESSION OF SIMULTANEOUS SWITCHING NOISE IN HIGH-SPEED CIRCUITS. <i>Progress in Electromagnetics Research C</i> , 2014, 46, 117-124.	0.6	2
117	Hollow-cathode plasma-assisted atomic layer deposition: A novel route for low-temperature synthesis of crystalline III-nitride thin films and nanostructures. , 2015, , .		2
118	Investigation of native oxide removing from HCPA ALD grown GaN thin films surface utilizing HF solutions. , 2016, , .		2
119	Area-selective atomic layer deposition of noble metals: Polymerized fluorocarbon layers as effective growth inhibitors. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2021, 39, .	0.9	2
120	High-Speed Visible-Blind Resonant Cavity Enhanced AlGaIn Schottky Photodiodes. <i>MRS Internet Journal of Nitride Semiconductor Research</i> , 2003, 8, 1.	1.0	2
121	High-speed visible-blind GaN-based ITO-Schottky photodiodes. , 2002, , .		1
122	High-Speed Solar-Blind AlGaIn Schottky Photodiodes. <i>Materials Research Society Symposia Proceedings</i> , 2003, 764, 1.	0.1	1
123	Penta-Band Planar Inverted F-Antenna (PIFA) Integrated by RF-NEMS Switches. , 2008, , .		1
124	ZnO Nanostructures on Electrospun Nanofibers by Atomic Layer Deposition/Hydrothermal Growth and Their Photocatalytic Activity. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1675, 9-14.	0.1	1
125	Template-assisted synthesis of III-nitride and metal-oxide nano-heterostructures using low-temperature atomic layer deposition for energy, sensing, and catalysis applications (Presentation) Tj ETQq1 1 0784314 ngBT /Over	0.8	1
126	Boundary element method for optical force calibration in microfluidic dual-beam optical trap. <i>Proceedings of SPIE</i> , 2015, , .	0.8	1



#	ARTICLE	IF	CITATIONS
127	Zno nanostructures via hydrothermal synthesis on atomic layer deposited seed-layers. , 2015, , .		1
128	Effect of substrate temperature and Ga source precursor on growth and material properties of GaN grown by hollow cathode plasma assisted atomic layer deposition. , 2016, , .		1
129	45 GHz bandwidth-efficiency resonant cavity enhanced ITO-Schottky Photodiodes. , 2001, , .		1
130	Ultrafast photodetectors with near-unity quantum efficiency. , 1999, , .		0
131	High-speed high-efficiency resonant-cavity-enhanced photodiodes. , 1999, 3629, 298.		0
132	Solar-Blind AlGaIn-based Schottky Photodiodes With High Detectivity and Low Noise. Materials Research Society Symposia Proceedings, 2002, 743, L7.11.1.	0.1	0
133	High-Performance AlGaIn-Based Visible-Blind Resonant Cavity Enhanced Schottky Photodiodes. Materials Research Society Symposia Proceedings, 2003, 764, 1.	0.1	0
134	Investigation of AlGaIn buffer layers on sapphire grown by MOVPE. , 2004, 5366, 183.		0
135	Persistent Photoconductivity in High-mobility Al <sub>x</sub> Ga <sub>1-x</sub> N/AlN/GaN Heterostructures Grown by Metal-organic Vapor-phase Epitaxy. Materials Research Society Symposia Proceedings, 2006, 955, 1.	0.1	0
136	Preparation of Al <sub>2</sub> O <sub>3</sub> and AlN Nanotubes by Atomic Layer Deposition. Materials Research Society Symposia Proceedings, 2012, 1408, 133.	0.1	0
137	Digital microfluidics for reconfigurable antennas. , 2014, , .		0
138	Notice of Withdrawal On-chip characterization of THz Schottky diodes using non-contact probes. , 2016, , .		0
139	Nanofibrous Catalysts: Monodispersed, Highly Interactive Facet (111)-Oriented Pd Nanograins by ALD onto Free-standing and Flexible Electrospun Polymeric Nanofibrous Webs for Catalytic Application (Adv. Mater. Interfaces 24/2017). Advanced Materials Interfaces, 2017, 4, 1770126.	1.9	0
140	Synthesis and Characterization of Platinum on Carbon Nanoparticles Selectively Coated with Titanium Nitride (TiN). ECS Transactions, 2021, 104, 29-43.	0.3	0
141	Ultrafast and highly efficient resonant-cavity-enhanced photodiodes. , 2003, , .		0
142	CO <sub>2</sub> polishing of femtosecond laser micromachined microfluidic channels. , 2016, , .		0
143	Comparative Study on <i>in-situ</i> Ellipsometric Monitoring of III-Nitride Film Growth via Plasma-Enhanced Atomic Layer Deposition. Selected Topics in Electornics and Systems, 2020, , 77-83.	0.2	0