

Elvira Mc Fortunato

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4407958/elvira-mc-fortunato-publications-by-year.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

729
papers

23,359
citations

71
h-index

126
g-index

762
ext. papers

26,160
ext. citations

4.6
avg, IF

7.08
L-index

#	Paper	IF	Citations
729	Printed zinc tin oxide diodes: from combustion synthesis to large-scale manufacturing. <i>Flexible and Printed Electronics</i> , 2022 , 7, 014005	3.1	1
728	Emergent solution based IGZO memristor towards neuromorphic applications. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 1991-1998	7.1	2
727	Tailoring the synaptic properties of a-IGZO memristors for artificial deep neural networks. <i>APL Materials</i> , 2022 , 10, 011113	5.7	6
726	High entropy alloy CrFeNiCoCu sputter deposited films: Structure, electrical properties, and oxidation. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2022 , 40, 023402	2.9	
725	Conversion of paper and xylan into laser-induced graphene for environmentally friendly sensors. <i>Diamond and Related Materials</i> , 2022 , 123, 108855	3.5	3
724	Smart IoT enabled interactive self-powered security tag designed with functionalized paper. <i>Nano Energy</i> , 2022 , 95, 107021	17.1	1
723	Surface-enhanced Raman scattering paper-based analytical devices 2022 , 117-167		1
722	Poly(Thionine)-Modified Screen-Printed Electrodes for CA 19-9 Detection and Its Properties in Raman Spectroscopy. <i>Chemosensors</i> , 2022 , 10, 92	4	1
721	Flexible nanostructured TiO ₂ -based gas and UV sensors: a review. <i>Discover Materials</i> , 2022 , 2,		0
720	Visible Photoluminescent Zinc Oxide Nanorods for Label-Free Nonenzymatic Glucose Detection. <i>ACS Applied Nano Materials</i> , 2022 , 5, 4386-4396	5.6	0
719	Enhanced Fe-TiO Solar Photocatalysts on Porous Platforms for Water Purification.. <i>Nanomaterials</i> , 2022 , 12,	5.4	3
718	Stacking-Dependent Electrical Transport in a Colloidal CdSe Nanoplatelet Thin-Film Transistor.. <i>Nano Letters</i> , 2022 ,	11.5	3
717	Bioconversion of Terephthalic Acid and Ethylene Glycol Into Bacterial Cellulose by DSM 2004 and DSM 46604.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022 , 10, 853322	5.8	0
716	Light management with quantum nanostructured dots-in-host semiconductors. <i>Light: Science and Applications</i> , 2021 , 10, 231	16.7	1
715	E-Skin Piezoresistive Pressure Sensor Combining Laser Engraving and Shrinking Polymeric Films for Health Monitoring Applications. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2100877	4.6	0
714	Laser-Induced Graphene on Paper toward Efficient Fabrication of Flexible, Planar Electrodes for Electrochemical Sensing. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2101502	4.6	6
713	Soft-Microstructured Transparent Electrodes for Photonic-Enhanced Flexible Solar Cells. <i>Micro</i> , 2021 , 1, 215-227		1

712	Porous PDMS conformable coating for high power output carbon fibers/ZnO nanorod-based triboelectric energy harvesters. <i>Nano Energy</i> , 2021 , 90, 106582	17.1	2
711	Paper-Based Biosensors for COVID-19: A Review of Innovative Tools for Controlling the Pandemic. <i>ACS Omega</i> , 2021 , 6, 29268-29290	3.9	9
710	Ta2O5/SiO2 Multicomponent Dielectrics for Amorphous Oxide TFTs. <i>Electronic Materials</i> , 2021 , 2, 1-16	0.8	0
709	Towards Sustainable Crossbar Artificial Synapses with Zinc-Tin Oxide. <i>Electronic Materials</i> , 2021 , 2, 105-113	1.8	3
708	Metal Oxide-Based Photocatalytic Paper: A Green Alternative for Environmental Remediation. <i>Catalysts</i> , 2021 , 11, 504	4	12
707	Ionic Conductive Cellulose Mats by Solution Blow Spinning as Substrate and a Dielectric Interstrate Layer for Flexible Electronics. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 26237-26246	9.5	6
706	Molecular Imprinting on Nanozymes for Sensing Applications. <i>Biosensors</i> , 2021 , 11,	5.9	3
705	Transparent and Flexible Electrocardiography Electrode Arrays Based on Silver Nanowire Networks for Neural Recordings. <i>ACS Applied Nano Materials</i> , 2021 , 4, 5737-5747	5.6	3
704	High UV and Sunlight Photocatalytic Performance of Porous ZnO Nanostructures Synthesized by a Facile and Fast Microwave Hydrothermal Method. <i>Materials</i> , 2021 , 14,	3.5	11
703	Colloidal Lithography for Photovoltaics: An Attractive Route for Light Management. <i>Nanomaterials</i> , 2021 , 11,	5.4	6
702	Microwave-Assisted Hydrothermal Synthesis of Zn ₂ SnO ₄ Nanostructures for Photocatalytic Dye Degradation. <i>Materials Proceedings</i> , 2021 , 4, 92	0.3	
701	Ultrafast Microwave Synthesis of WO ₃ Nanostructured Films for Solar Photocatalysis. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021 , 15, 2100196	2.5	4
700	A Review on the Applications of Graphene in Mechanical Transduction. <i>Advanced Materials</i> , 2021 , e2101326	13.6	9
699	UV-Responsive Screen-Printed Porous ZnO Nanostructures on Office Paper for Sustainable and Foldable Electronics. <i>Chemosensors</i> , 2021 , 9, 192	4	2
698	Recent Progress in Solution-Based Metal Oxide Resistive Switching Devices. <i>Advanced Materials</i> , 2021 , 33, e2004328	24	36
697	Paper Microfluidics and Tailored Gold Nanoparticles for Nonenzymatic, Colorimetric Multiplex Biomarker Detection. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 3576-3590	9.5	23
696	Production of medium-chain-length polyhydroxyalkanoates by <i>Pseudomonas chlororaphis</i> subsp. <i>aurantiaca</i> : Cultivation on fruit pulp waste and polymer characterization. <i>International Journal of Biological Macromolecules</i> , 2021 , 167, 85-92	7.9	12
695	Optimization of ZnO Nanorods Concentration in a Micro-Structured Polymeric Composite for Nanogenerators. <i>Chemosensors</i> , 2021 , 9, 27	4	4

694	Shape Effect of Zinc-Tin Oxide Nanostructures on Photodegradation of Methylene Blue and Rhodamine B under UV and Visible Light. <i>ACS Applied Nano Materials</i> , 2021 , 4, 1149-1161	5.6	8
693	Laser-Induced Graphene from Paper for Mechanical Sensing. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 10210-10221	9.5	36
692	Oxygen Plasma Treated-Electrospun Polyhydroxyalkanoate Scaffolds for Hydrophilicity Improvement and Cell Adhesion. <i>Polymers</i> , 2021 , 13,	4.5	1
691	Tuning the Electrical Properties of Cellulose Nanocrystals through Laser-Induced Graphitization for UV Photodetectors. <i>ACS Applied Nano Materials</i> , 2021 , 4, 8262-8272	5.6	6
690	43.1: Invited Paper: Functional Oxides to serve the Electronics Challenges of the Future. <i>Digest of Technical Papers SID International Symposium</i> , 2021 , 52, 537-538	0.5	
689	Combining Soft with Hard Condensed Matter for Circular Polarized Light Sensing and Logic Operations. <i>Advanced Optical Materials</i> , 2021 , 9, 2001731	8.1	0
688	New strategies toward high-performance and low-temperature processing of solution-based metal oxide TFTs 2021 , 585-621		2
687	Fast and Low-Cost Synthesis of MoS ₂ Nanostructures on Paper Substrates for Near-Infrared Photodetectors. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 1234	2.6	4
686	Reusable and highly sensitive SERS immunoassay utilizing gold nanostars and a cellulose hydrogel-based platform. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 7516-7529	7.3	5
685	Healable Cellulose Iontronic Hydrogel Stickers for Sustainable Electronics on Paper. <i>Advanced Electronic Materials</i> , 2021 , 7, 2001166	6.4	6
684	Design and synthesis of low temperature printed metal oxide memristors. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 3911-3918	7.1	6
683	Flexible, scalable, and efficient thermoelectric touch detector based on PDMS and graphite flakes. <i>Flexible and Printed Electronics</i> , 2021 , 6, 045018	3.1	0
682	Solution Combustion Synthesis of Transparent Conducting Thin Films for Sustainable Photovoltaic Applications. <i>Sustainability</i> , 2020 , 12, 10423	3.6	7
681	Laser-Induced Graphene Piezoresistive Sensors Synthesized Directly on Cork Insoles for Gait Analysis. <i>Advanced Materials Technologies</i> , 2020 , 5, 2000630	6.8	24
680	Paper-Based Platform with an In Situ Molecularly Imprinted Polymer for β -Amyloid. <i>ACS Omega</i> , 2020 , 5, 12057-12066	3.9	12
679	Design of wave-optical structured substrates for ultra-thin perovskite solar cells. <i>Applied Materials Today</i> , 2020 , 20, 100720	6.6	21
678	Non-enzymatic lab-on-paper devices for biosensing applications. <i>Comprehensive Analytical Chemistry</i> , 2020 , 189-237	1.9	4
677	Industrial Waste Residue Converted into Value-Added ZnO for Optoelectronic Applications. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 1960-1969	4	7

676	Electrochromic Device Composed of a Di-Urethanesil Electrolyte Incorporating Lithium Triflate and 1-Butyl-3-Methylimidazolium Chloride. <i>Frontiers in Materials</i> , 2020 , 7,	4	4
675	Paper-based (bio)sensor for label-free detection of 3-nitrotyrosine in human urine samples using molecular imprinted polymer. <i>Sensing and Bio-Sensing Research</i> , 2020 , 28, 100333	3.3	18
674	Low Temperature Dissolution of Yeast Chitin-Glucan Complex and Characterization of the Regenerated Polymer. <i>Bioengineering</i> , 2020 , 7,	5.3	3
673	Fast Prototyping Microfluidics: Integrating Droplet Digital Lamp for Absolute Quantification of Cancer Biomarkers. <i>Sensors</i> , 2020 , 20,	3.8	8
672	Laser-Induced Graphene-Based Platforms for Dual Biorecognition of Molecules. <i>ACS Applied Nano Materials</i> , 2020 , 3, 2795-2803	5.6	27
671	Solution Combustion Synthesis: Towards a Sustainable Approach for Metal Oxides. <i>Chemistry - A European Journal</i> , 2020 , 26, 9099-9125	4.8	52
670	Piezoelectricity Enhancement of Nanogenerators Based on PDMS and ZnSnO Nanowires through Microstructuring. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 18421-18430	9.5	30
669	TiO ₂ Nanostructured Films for Electrochromic Paper Based-Devices. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1200	2.6	12
668	Silver nanocomposites based on the bacterial fucose-rich polysaccharide secreted by Enterobacter A47 for wound dressing applications: Synthesis, characterization and in vitro bioactivity. <i>International Journal of Biological Macromolecules</i> , 2020 , 163, 959-969	7.9	13
667	ZnO nanostructures grown on ITO coated glass substrate by hybrid microwave-assisted hydrothermal method. <i>Optik</i> , 2020 , 208, 164372	2.5	5
666	Printed, Highly Stable Metal Oxide Thin-Film Transistors with Ultra-Thin High- κ Oxide Dielectric. <i>Advanced Electronic Materials</i> , 2020 , 6, 1901071	6.4	30
665	Self-Cleaned Photonic-Enhanced Solar Cells with Nanostructured Parylene-C. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2000264	4.6	7
664	Laser induced ultrafast combustion synthesis of solution-based AlOx for thin film transistors. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 6176-6184	7.1	15
663	Orientation dependence of electrical properties of polycrystalline Cu ₂ O thin films. <i>Semiconductor Science and Technology</i> , 2020 , 35, 075016	1.8	1
662	Light trapping in solar cells: simple design rules to maximize absorption. <i>Optica</i> , 2020 , 7, 1377	8.6	27
661	Application of ultrasonic sprayed zirconium oxide dielectric in zinc tin oxide-based thin film transistor. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 3730-3739	7.1	10
660	Wave-optical front structures on silicon and perovskite thin-film solar cells 2020 , 315-354		5
659	Ionically Modified Cellulose Nanocrystal Self-Assembled Films with a Mesoporous Twisted Superstructure: Polarizability and Application in Ion-Gated Transistors. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 426-436	4	7

658	Touch-Interactive Flexible Sustainable Energy Harvester and Self-Powered Smart Card. <i>Advanced Functional Materials</i> , 2020 , 30, 1908994	15.6	12
657	2D Resistive Switching Based on Amorphous Zinc Oxide Schottky Diodes. <i>Advanced Electronic Materials</i> , 2020 , 6, 1900958	6.4	5
656	Photonic-structured TCO front contacts yielding optical and electrically enhanced thin-film solar cells. <i>Solar Energy</i> , 2020 , 196, 92-98	6.8	10
655	Enhanced electrical and photocatalytic properties of porous TiO ₂ thin films decorated with Fe ₂ O ₃ nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 20753-20773	2.1	4
654	Paper-Based In-Situ Gold Nanoparticle Synthesis for Colorimetric, Non-Enzymatic Glucose Level Determination. <i>Nanomaterials</i> , 2020 , 10,	5.4	13
653	Toward Stable Solution-Processed High-Mobility pType Thin Film Transistors Based on Halide Perovskites. <i>ACS Nano</i> , 2020 , 14, 14790-14797	16.7	22
652	Millimeter-sized few-layer suspended graphene membranes. <i>Applied Materials Today</i> , 2020 , 21, 100879	6.6	6
651	Transduction Mechanisms, Micro-Structuring Techniques, and Applications of Electronic Skin Pressure Sensors: A Review of Recent Advances. <i>Sensors</i> , 2020 , 20,	3.8	12
650	Noble-Metal-Free Memristive Devices Based on IGZO for Neuromorphic Applications. <i>Advanced Electronic Materials</i> , 2020 , 6, 2000242	6.4	16
649	Frontispiece: Solution Combustion Synthesis: Towards a Sustainable Approach for Metal Oxides. <i>Chemistry - A European Journal</i> , 2020 , 26,	4.8	2
648	Microneedle Arrays of Polyhydroxyalkanoate by Laser-Based Micromolding Technique.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 5856-5864	4.1	3
647	Solar Cells: Self-Cleaned Photonic-Enhanced Solar Cells with Nanostructured Parylene-C (Adv. Mater. Interfaces 15/2020). <i>Advanced Materials Interfaces</i> , 2020 , 7, 2070084	4.6	1
646	Cellulose-Based Solid Electrolyte Membranes Through Microwave Assisted Regeneration and Application in Electrochromic Displays. <i>Frontiers in Materials</i> , 2020 , 7,	4	3
645	Demonstration of the ability of the bacterial polysaccharide FucoPol to flocculate kaolin suspensions. <i>Environmental Technology (United Kingdom)</i> , 2020 , 41, 287-295	2.6	7
644	Tailoring IGZO Composition for Enhanced Fully Solution-Based Thin Film Transistors. <i>Nanomaterials</i> , 2019 , 9,	5.4	26
643	Sustainable Fully Printed UV Sensors on Cork Using Zinc Oxide/Ethylcellulose Inks. <i>Micromachines</i> , 2019 , 10,	3.3	12
642	Metal oxide nanostructures for sensor applications. <i>Semiconductor Science and Technology</i> , 2019 , 34, 043001	1.8	106
641	Sol-Gel Processed p-Type CuAlO ₂ Semiconductor Thin Films and the Integration in Transistors. <i>IEEE Transactions on Electron Devices</i> , 2019 , 66, 1458-1463	2.9	16

640	Biowaste-derived carbon black applied to polyaniline-based high-performance supercapacitor microelectrodes: Sustainable materials for renewable energy applications. <i>Electrochimica Acta</i> , 2019 , 316, 202-218	6.7	24
639	Nanofluid Based on Glucose-Derived Carbon Dots Functionalized with [Bmim]Cl for the Next Generation of Smart Windows. <i>Advanced Sustainable Systems</i> , 2019 , 3, 1900047	5.9	9
638	All-Thin-Film Perovskite/CBi Four-Terminal Tandems: Interlayer and Intermediate Contacts Optimization. <i>ACS Applied Energy Materials</i> , 2019 , 2, 3979-3985	6.1	14
637	Lightwave trapping in thin film solar cells with improved photonic-structured front contacts. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 6456-6464	7.1	18
636	. <i>IEEE Journal of the Electron Devices Society</i> , 2019 , 7, 329-334	2.3	12
635	Colloidal-structured metallic micro-grids: High performance transparent electrodes in the red and infrared range. <i>Solar Energy Materials and Solar Cells</i> , 2019 , 197, 7-12	6.4	11
634	Role of Structure and Composition on the Performances of P-Type Tin Oxide Thin-Film Transistors Processed at Low-Temperatures. <i>Nanomaterials</i> , 2019 , 9,	5.4	19
633	Optimum Luminescent Down-Shifting Properties for High Efficiency and Stable Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2019 , 2, 2930-2938	6.1	24
632	E-Skin Bimodal Sensors for Robotics and Prosthesis Using PDMS Molds Engraved by Laser. <i>Sensors</i> , 2019 , 19,	3.8	16
631	Human-motion interactive energy harvester based on polyaniline functionalized textile fibers following metal/polymer mechano-responsive charge transfer mechanism. <i>Nano Energy</i> , 2019 , 60, 794-801	17.1	9
630	Sustainable Dual-Mode Smart Windows for Energy-Efficient Buildings. <i>ACS Applied Energy Materials</i> , 2019 , 2, 1951-1960	6.1	16
629	Photonic-structured TiO ₂ for high-efficiency, flexible and stable Perovskite solar cells. <i>Nano Energy</i> , 2019 , 59, 91-101	17.1	68
628	Fully Printed Zinc Oxide Electrolyte-Gated Transistors on Paper. <i>Nanomaterials</i> , 2019 , 9,	5.4	18
627	Multi-Level Cell Properties of a Bilayer CuO/Al ₂ O ₃ Resistive Switching Device. <i>Nanomaterials</i> , 2019 , 9,	5.4	17
626	Control of Eu Oxidation State in YOS:Eu Thin-Film Phosphors Prepared by Atomic Layer Deposition: A Structural and Photoluminescence Study. <i>Materials</i> , 2019 , 13,	3.5	4
625	Growth Mechanism of Seed-Layer Free ZnSnO Nanowires: Effect of Physical Parameters. <i>Nanomaterials</i> , 2019 , 9,	5.4	9
624	Label-Free Nanosensing Platform for Breast Cancer Exosome Profiling. <i>ACS Sensors</i> , 2019 , 4, 2073-2083	9.2	30
623	Mapping the space charge carrier dynamics in plasmon-based perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 19811-19819	13	13

622	Design and Simple Assembly of Gold Nanostar Bioconjugates for Surface-Enhanced Raman Spectroscopy Immunoassays. <i>Nanomaterials</i> , 2019 , 9,	5.4	11
621	Ultrafast Low-Temperature Crystallization of Solar Cell Graded Formamidinium-Cesium Mixed-Cation Lead Mixed-Halide Perovskites Using a Reproducible Microwave-Based Process. <i>ACS Applied Energy Materials</i> , 2019 , 2, 1844-1853	6.1	11
620	Tailoring Upconversion and Morphology of Yb/Eu Doped Y ₂ O ₃ Nanostructures by Acid Composition Mediation. <i>Nanomaterials</i> , 2019 , 9,	5.4	13
619	Paper-Based SERS Platform for One-Step Screening of Tetracycline in Milk. <i>Scientific Reports</i> , 2019 , 9, 17922	4.9	26
618	Demonstration of the adhesive properties of the medium-chain-length polyhydroxyalkanoate produced by <i>Pseudomonas chlororaphis</i> subsp. <i>aurantiaca</i> from glycerol. <i>International Journal of Biological Macromolecules</i> , 2019 , 122, 1144-1151	7.9	31
617	Structural, optical, and electronic properties of metal oxide nanostructures 2019 , 59-102		4
616	Oxide nanoparticle hybrid materials and applications 2019 , 235-281		
615	Chromogenic applications 2019 , 103-147		2
614	Electronic applications of oxide nanostructures 2019 , 149-197		
613	Oxide materials for energy applications 2019 , 199-234		1
612	Conclusions and future perspectives 2019 , 283-295		
611	Synthesis, design, and morphology of metal oxide nanostructures 2019 , 21-57		21
610	Molecularly-imprinted chloramphenicol sensor with laser-induced graphene electrodes. <i>Biosensors and Bioelectronics</i> , 2019 , 124-125, 167-175	11.8	91
609	Three-Mode Modulation Electrochromic Device with High Energy Efficiency for Windows of Buildings Located in Continental Climatic Regions. <i>Advanced Sustainable Systems</i> , 2019 , 3, 1800115	5.9	13
608	Field-Effect Transistors on Photonic Cellulose Nanocrystal Solid Electrolyte for Circular Polarized Light Sensing. <i>Advanced Functional Materials</i> , 2019 , 29, 1805279	15.6	26
607	Photovoltaics: Passivation of Interfaces in Thin Film Solar Cells: Understanding the Effects of a Nanostructured Rear Point Contact Layer (Adv. Mater. Interfaces 2/2018). <i>Advanced Materials Interfaces</i> , 2018 , 5, 1870007	4.6	1
606	Multifunctional cellulose-paper for light harvesting and smart sensing applications. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 3143-3181	7.1	107
605	Nontoxic, Eco-friendly Fully Water-Induced Ternary ZrO ₂ /CdO Dielectric for High-Performance Transistors and Unipolar Inverters. <i>Advanced Electronic Materials</i> , 2018 , 4, 1800100	6.4	36

604	Multifunctional microfluidic chip for optical nanoprobe based RNA detection - application to Chronic Myeloid Leukemia. <i>Scientific Reports</i> , 2018 , 8, 381	4.9	13
603	Light-induced current mapping in oxide based solar cells with nanoscale resolution. <i>Solar Energy Materials and Solar Cells</i> , 2018 , 176, 310-317	6.4	2
602	Green Nanotechnology: Green Nanotechnology from Waste Carbon Polyaniline Composite: Generation of Wavelength-Independent Multiband Photoluminescence for Sensitive Ion Detection (Adv. Sustainable Syst. 1/2018). <i>Advanced Sustainable Systems</i> , 2018 , 2, 1870002	5.9	0
601	Optimal-Enhanced Solar Cell Ultra-thinning with Broadband Nanophotonic Light Capture. <i>IScience</i> , 2018 , 3, 238-254	6.1	26
600	Draw Spinning of Wafer-Scale Oxide Fibers for Electronic Devices. <i>Advanced Electronic Materials</i> , 2018 , 4, 1700644	6.4	10
599	Passive radiofrequency x-ray dosimeter tag based on flexible radiation-sensitive oxide field-effect transistor. <i>Science Advances</i> , 2018 , 4, eaat1825	14.3	21
598	Boosting highly transparent and conducting indium zinc oxide thin films through solution combustion synthesis: influence of rapid thermal annealing. <i>Semiconductor Science and Technology</i> , 2018 , 33, 105004	1.8	7
597	Wax-printed paper-based device for direct electrochemical detection of 3-nitrotyrosine. <i>Electrochimica Acta</i> , 2018 , 284, 60-68	6.7	30
596	Seed-Layer Free Zinc Tin Oxide Tailored Nanostructures for Nanoelectronic Applications: Effect of Chemical Parameters. <i>ACS Applied Nano Materials</i> , 2018 , 1, 3986-3997	5.6	14
595	Electronic Devices Based on Oxide Thin Films Fabricated by Fiber-to-Film Process. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 18057-18065	9.5	11
594	Fully solution-induced high performance indium oxide thin film transistors with ZrO high-k gate dielectrics.. <i>RSC Advances</i> , 2018 , 8, 16788-16799	3.7	35
593	Critical role of a double-layer configuration in solution-based unipolar resistive switching memories. <i>Nanotechnology</i> , 2018 , 29, 345206	3.4	16
592	Piezoresistive E-Skin Sensors Produced with Laser Engraved Molds. <i>Advanced Electronic Materials</i> , 2018 , 4, 1800182	6.4	33
591	Efficient coverage of ZnO nanoparticles on cotton fibres for antibacterial finishing using a rapid and low cost in situ synthesis. <i>New Journal of Chemistry</i> , 2018 , 42, 1052-1060	3.6	51
590	Green Nanotechnology from Waste Carbon Polyaniline Composite: Generation of Wavelength-Independent Multiband Photoluminescence for Sensitive Ion Detection. <i>Advanced Sustainable Systems</i> , 2018 , 2, 1700137	5.9	4
589	Passivation of Interfaces in Thin Film Solar Cells: Understanding the Effects of a Nanostructured Rear Point Contact Layer. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1701101	4.6	36
588	Laser-Induced Graphene Strain Sensors Produced by Ultraviolet Irradiation of Polyimide. <i>Advanced Functional Materials</i> , 2018 , 28, 1805271	15.6	125
587	Luminescent Electrochromic Devices for Smart Windows of Energy-Efficient Buildings. <i>Energies</i> , 2018 , 11, 3513	3.1	10

586	Ultra-fast plasmonic back reflectors production for light trapping in thin Si solar cells. <i>Solar Energy</i> , 2018 , 174, 786-792	6.8	20
585	Does Impedance Matter When Recording Spikes With Polytrodes?. <i>Frontiers in Neuroscience</i> , 2018 , 12, 715	5.1	37
584	Laser-induced electrodes towards low-cost flexible UV ZnO sensors. <i>Flexible and Printed Electronics</i> , 2018 , 3, 044002	3.1	25
583	Planar Dual-Gate Paper/Oxide Field Effect Transistors as Universal Logic Gates. <i>Advanced Electronic Materials</i> , 2018 , 4, 1800423	6.4	17
582	High performance electronic devices based on nanofibers via a crosslinking welding process. <i>Nanoscale</i> , 2018 , 10, 19427-19434	7.7	13
581	Visualization of nanocrystalline CuO in the grain boundaries of Cu ₂ O thin films and effect on band bending and film resistivity. <i>APL Materials</i> , 2018 , 6, 096103	5.7	19
580	Papertronics: Multigate paper transistor for multifunction applications. <i>Applied Materials Today</i> , 2018 , 12, 402-414	6.6	48
579	A Sustainable Approach to Flexible Electronics with Zinc-Tin Oxide Thin-Film Transistors. <i>Advanced Electronic Materials</i> , 2018 , 4, 1800032	6.4	56
578	Solution based zinc tin oxide TFTs: the dual role of the organic solvent. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 065106	3	23
577	. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2017 , 64, 1118-1125	3.9	11
576	Redox Chloride Elimination Reaction: Facile Solution Route for Indium-Free, Low-Voltage, and High-Performance Transistors. <i>Advanced Electronic Materials</i> , 2017 , 3, 1600513	6.4	55
575	A statistics modeling approach for the optimization of thin film photovoltaic devices. <i>Solar Energy</i> , 2017 , 144, 232-243	6.8	13
574	Quantitative real-time monitoring of RCA amplification of cancer biomarkers mediated by a flexible ion sensitive platform. <i>Biosensors and Bioelectronics</i> , 2017 , 91, 788-795	11.8	9
573	In situ one-step synthesis of p-type copper oxide for low-temperature, solution-processed thin-film transistors. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 2524-2530	7.1	55
572	The effect of three luminescent ionic liquids on corroded glass surfaces [A first step into stained-glass cleaning. <i>Corrosion Science</i> , 2017 , 118, 109-117	6.8	10
571	Eco-friendly sol-gel derived sodium-based ormolytes for electrochromic devices. <i>Electrochimica Acta</i> , 2017 , 232, 484-494	6.7	9
570	Energy band alignment at the nanoscale. <i>Applied Physics Letters</i> , 2017 , 110, 051603	3.4	2
569	High mobility hydrogenated zinc oxide thin films. <i>Solar Energy Materials and Solar Cells</i> , 2017 , 163, 255-262		83

568	Printable cellulose-based electroconductive composites for sensing elements in paper electronics. <i>Flexible and Printed Electronics</i> , 2017 , 2, 014006	3.1	52
567	Handwritten Oxide Electronics on Paper. <i>Advanced Materials Technologies</i> , 2017 , 2, 1700009	6.8	22
566	Office paper decorated with silver nanostars - an alternative cost effective platform for trace analyte detection by SERS. <i>Scientific Reports</i> , 2017 , 7, 2480	4.9	61
565	Helium and deuterium irradiation effects in W-Ta composites produced by pulse plasma compaction. <i>Journal of Nuclear Materials</i> , 2017 , 492, 105-112	3.3	7
564	Direct growth of plasmonic nanorod forests on paper substrates for low-cost flexible 3D SERS platforms. <i>Flexible and Printed Electronics</i> , 2017 , 2, 014001	3.1	37
563	Energy-dependent relaxation time in quaternary amorphous oxide semiconductors probed by gated Hall effect measurements. <i>Physical Review B</i> , 2017 , 95,	3.3	10
562	Reusable Cellulose-Based Hydrogel Sticker Film Applied as Gate Dielectric in Paper Electrolyte-Gated Transistors. <i>Advanced Functional Materials</i> , 2017 , 27, 1606755	15.6	66
561	Oxide-Based Solar Cell: Impact of Layer Thicknesses on the Device Performance. <i>ACS Combinatorial Science</i> , 2017 , 19, 113-120	3.9	19
560	"Electro-Typing" on a Carbon-Nanoparticles-Filled Polymeric Film using Conducting Atomic Force Microscopy. <i>Advanced Materials</i> , 2017 , 29, 1703079	24	9
559	Boosting Electrical Performance of High- κ Nanomultilayer Dielectrics and Electronic Devices by Combining Solution Combustion Synthesis and UV Irradiation. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 40428-40437	9.5	41
558	Imaging the Anomalous Charge Distribution Inside CsPbBr Perovskite Quantum Dots Sensitized Solar Cells. <i>ACS Nano</i> , 2017 , 11, 10214-10221	16.7	80
557	Optoelectronics and Bio Devices on Paper Powered by Solar Cells 2017 ,		5
556	Low-temperature spray-coating of high-performing ZnO:Al films for transparent electronics. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017 , 127, 299-308	6	22
555	Solution Combustion Synthesis: Low-Temperature Processing for p-Type Cu:NiO Thin Films for Transparent Electronics. <i>Advanced Materials</i> , 2017 , 29, 1701599	24	113
554	Memristors Using Solution-Based IGZO Nanoparticles. <i>ACS Omega</i> , 2017 , 2, 8366-8372	3.9	27
553	Paper-Based Sensing Device for Electrochemical Detection of Oxidative Stress Biomarker 8-Hydroxy-2'-deoxyguanosine (8-OHdG) in Point-of-Care. <i>Scientific Reports</i> , 2017 , 7, 14558	4.9	42
552	Using a bacterial fucose-rich polysaccharide as encapsulation material of bioactive compounds. <i>International Journal of Biological Macromolecules</i> , 2017 , 104, 1099-1106	7.9	16
551	Colloidal-lithographed TiO ₂ photonic nanostructures for solar cell light trapping. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 6852-6861	7.1	36

550	Ultra-Fast Microwave Synthesis of ZnO Nanorods on Cellulose Substrates for UV Sensor Applications. <i>Materials</i> , 2017 , 10,	3.5	52
549	Photocatalytic TiO ₂ Nanorod Spheres and Arrays Compatible with Flexible Applications. <i>Catalysts</i> , 2017 , 7, 60	4	48
548	Bias Stress and Temperature Impact on InGaZnO TFTs and Circuits. <i>Materials</i> , 2017 , 10,	3.5	15
547	3D ZnO/Ag Surface-Enhanced Raman Scattering on Disposable and Flexible Cardboard Platforms. <i>Materials</i> , 2017 , 10, 1351	3.5	31
546	Digital Microfluidics for Nucleic Acid Amplification. <i>Sensors</i> , 2017 , 17,	3.8	30
545	A Digital Microfluidics Platform for Loop-Mediated Isothermal Amplification Detection. <i>Sensors</i> , 2017 , 17,	3.8	20
544	Synthesis of WO ₃ nanoparticles for biosensing applications. <i>Sensors and Actuators B: Chemical</i> , 2016 , 223, 186-194	8.5	47
543	Influence of the Substrate on the Morphology of Self-Assembled Silver Nanoparticles by Rapid Thermal Annealing. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 18235-18242	3.8	35
542	Solution-Processed Alkaline Lithium Oxide Dielectrics for Applications in n- and p-Type Thin-Film Transistors. <i>Advanced Electronic Materials</i> , 2016 , 2, 1600140	6.4	38
541	Low-temperature, nontoxic water-induced high-k zirconium oxide dielectrics for low-voltage, high-performance oxide thin-film transistors. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 10715-10721	7.1	61
540	UV-Mediated Photochemical Treatment for Low-Temperature Oxide-Based Thin-Film Transistors. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 31100-31108	9.5	53
539	Radiation-Tolerant Flexible Large-Area Electronics Based on Oxide Semiconductors. <i>Advanced Electronic Materials</i> , 2016 , 2, 1500489	6.4	29
538	8-hydroxy-2'-deoxyguanosine (8-OHdG) biomarker detection down to picoMolar level on a plastic antibody film. <i>Biosensors and Bioelectronics</i> , 2016 , 86, 225-234	11.8	29
537	Observation of Space Charge Dynamics Inside an All Oxide Based Solar Cell. <i>ACS Nano</i> , 2016 , 10, 6139-6146	6.7	14
536	InGaZnO TFT behavioral model for IC design. <i>Analog Integrated Circuits and Signal Processing</i> , 2016 , 87, 73-80	1.2	18
535	The influence of target erosion grade in the optoelectronic properties of AZO coatings growth by magnetron sputtering. <i>Applied Surface Science</i> , 2016 , 380, 218-222	6.7	11
534	Effect of Mg doping on Cu ₂ O thin films and their behavior on the TiO ₂ /Cu ₂ O heterojunction solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2016 , 147, 27-36	6.4	59
533	Inkjet printed highly porous TiO ₂ films for improved electrical properties of photoanode. <i>Journal of Colloid and Interface Science</i> , 2016 , 465, 208-14	9.3	27

532	Photocatalytic behavior of TiO ₂ films synthesized by microwave irradiation. <i>Catalysis Today</i> , 2016 , 278, 262-270	5.3	30
531	Infection of human keratinocytes by <i>Streptococcus dysgalactiae</i> subspecies <i>dysgalactiae</i> isolated from milk of the bovine udder. <i>Microbes and Infection</i> , 2016 , 18, 290-3	9.3	9
530	InGaZnO Thin-Film-Transistor-Based Four-Quadrant High-Gain Analog Multiplier on Glass. <i>IEEE Electron Device Letters</i> , 2016 , 37, 419-421	4.4	10
529	Smart optically active VO ₂ nanostructured layers applied in roof-type ceramic tiles for energy efficiency. <i>Solar Energy Materials and Solar Cells</i> , 2016 , 150, 1-9	6.4	42
528	Imidazole: Prospect Solvent for Lignocellulosic Biomass Fractionation and Delignification. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 1643-1652	8.3	81
527	Metal Oxide Nanoparticle Engineering for Printed Electrochemical Applications 2016 , 783-818		
526	Photocatalytic Activity of TiO ₂ Nanostructured Arrays Prepared by Microwave-Assisted Solvothermal Method 2016 ,		8
525	Microwave Synthesized ZnO Nanorod Arrays for UV Sensors: A Seed Layer Annealing Temperature Study. <i>Materials</i> , 2016 , 9,	3.5	61
524	Hybrid Microfluidic Platform for Multifactorial Analysis Based on Electrical Impedance, Refractometry, Optical Absorption and Fluorescence. <i>Micromachines</i> , 2016 , 7,	3.3	3
523	Optoelectronic Devices from Bacterial NanoCellulose 2016 , 179-197		14
522	2016 ,		4
521	Stress Induced Mechano-electrical Writing-Reading of Polymer Film Powered by Contact Electrification Mechanism. <i>Scientific Reports</i> , 2016 , 6, 19514	4.9	11
520	Validating silicon polytrodes with paired juxtacellular recordings: method and dataset. <i>Journal of Neurophysiology</i> , 2016 , 116, 892-903	3.2	52
519	Hole mobility modulation of solution-processed nickel oxide thin-film transistor based on high-k dielectric. <i>Applied Physics Letters</i> , 2016 , 108, 233506	3.4	95
518	Highly conductive grain boundaries in copper oxide thin films. <i>Journal of Applied Physics</i> , 2016 , 119, 235303	3.3	15
517	Solution-processed high-k magnesium oxide dielectrics for low-voltage oxide thin-film transistors. <i>Applied Physics Letters</i> , 2016 , 109, 183508	3.4	42
516	Interpreting anomalies observed in oxide semiconductor TFTs under negative and positive bias stress. <i>AIP Advances</i> , 2016 , 6, 085321	1.5	16
515	Improving positive and negative bias illumination stress stability in parylene passivated IGZO transistors. <i>Applied Physics Letters</i> , 2016 , 109, 051606	3.4	42

514	Eco-friendly, solution-processed In-W-O thin films and their applications in low-voltage, high-performance transistors. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 4478-4484	7.1	38
513	Mapping the Electrical Properties of ZnO-Based Transparent Conductive Oxides Grown at Room Temperature and Improved by Controlled Postdeposition Annealing. <i>Advanced Electronic Materials</i> , 2016 , 2, 1500287	6.4	45
512	Electrochemical Transistor Based on Tungsten Oxide with Optoelectronic Properties. <i>IFIP Advances in Information and Communication Technology</i> , 2016 , 542-550	0.5	
511	Design of optimized wave-optical spheroidal nanostructures for photonic-enhanced solar cells. <i>Nano Energy</i> , 2016 , 26, 286-296	17.1	50
510	Influence of Channel Length Scaling on InGaZnO TFTs Characteristics: Unity Current-Gain Cutoff Frequency, Intrinsic Voltage-Gain, and On-Resistance. <i>Journal of Display Technology</i> , 2016 , 12, 515-518		26
509	Exploring the potential of laser assisted flow deposition grown ZnO for photovoltaic applications. <i>Materials Chemistry and Physics</i> , 2016 , 177, 322-329	4.4	17
508	Transparent field-effect transistors based on AlN-gate dielectric and IGZO-channel semiconductor. <i>Applied Surface Science</i> , 2016 , 379, 270-276	6.7	15
507	Substrate reactivity as the origin of Fermi level pinning at the Cu ₂ O/ALD-Al ₂ O ₃ interface. <i>Materials Research Express</i> , 2016 , 3, 046404	1.7	7
506	High-mobility p-type NiOx thin-film transistors processed at low temperatures with Al ₂ O ₃ high-k dielectric. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 9438-9444	7.1	60
505	The 2016 oxide electronic materials and oxide interfaces roadmap. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 433001	3	204
504	A compact model and direct parameters extraction techniques For amorphous gallium-indium-zinc-oxide thin film transistors. <i>Solid-State Electronics</i> , 2016 , 126, 81-86	1.7	16
503	Influence of post-deposition annealing on electrical and optical properties of ZnO-based TCOs deposited at room temperature. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016 , 213, 2317-2328	1.6	23
502	Solid State Electrochemical WO ₃ Transistors with High Current Modulation. <i>Advanced Electronic Materials</i> , 2016 , 2, 1500414	6.4	17
501	Electrochromic devices incorporating biohybrid electrolytes doped with a lithium salt, an ionic liquid or a mixture of both. <i>Electrochimica Acta</i> , 2015 , 161, 226-235	6.7	25
500	Broadband light trapping in thin film solar cells with self-organized plasmonic nano-colloids. <i>Nanotechnology</i> , 2015 , 26, 135202	3.4	47
499	Chitin-glucan complex production by <i>Komagataella pastoris</i> : Downstream optimization and product characterization. <i>Carbohydrate Polymers</i> , 2015 , 130, 455-64	10.3	44
498	Office paper platform for bioelectrochromic detection of electrochemically active bacteria using tungsten trioxide nanoprobos. <i>Scientific Reports</i> , 2015 , 5, 9910	4.9	64
497	Solar cells for self-sustainable intelligent packaging. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 13226-13236		23

496	A water-induced high-k yttrium oxide dielectric for fully-solution-processed oxide thin-film transistors. <i>Current Applied Physics</i> , 2015 , 15, S75-S81	2.6	38
495	Flexible and Transparent WO ₃ Transistor with Electrical and Optical Modulation. <i>Advanced Electronic Materials</i> , 2015 , 1, 1500030	6.4	27
494	Thin Film Silicon Photovoltaic Cells on Paper for Flexible Indoor Applications. <i>Advanced Functional Materials</i> , 2015 , 25, 3592-3598	15.6	86
493	Single nucleotide polymorphism detection using gold nanoprobe and bio-microfluidic platform with embedded microlenses. <i>Biotechnology and Bioengineering</i> , 2015 , 112, 1210-9	4.9	7
492	Field effect sensors for nucleic Acid detection: recent advances and future perspectives. <i>Sensors</i> , 2015 , 15, 10380-98	3.8	67
491	Nanocrystalline thin film silicon solar cells: A deeper look into p/i interface formation. <i>Thin Solid Films</i> , 2015 , 591, 25-31	2.2	10
490	Low-Temperature, Nontoxic Water-Induced Metal-Oxide Thin Films and Their Application in Thin-Film Transistors. <i>Advanced Functional Materials</i> , 2015 , 25, 2564-2572	15.6	133
489	Eco-friendly water-induced aluminum oxide dielectrics and their application in a hybrid metal oxide/polymer TFT. <i>RSC Advances</i> , 2015 , 5, 86606-86613	3.7	49
488	Metal Oxide Nanoparticle Engineering for Printed Electrochemical Applications 2015 , 1-29		
487	Scalable approach for the production of functional DNA based gold nanoprobe. <i>Journal of Membrane Science</i> , 2015 , 492, 528-535	9.6	1
486	Design of a robust general-purpose low-offset comparator based on IGZO thin-film transistors 2015 ,		4
485	Gravure printed sol-gel derived AlOOH hybrid nanocomposite thin films for printed electronics. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 1776-1786	7.1	9
484	Efficient Field Emission from Vertically Aligned Cu ₂ O-(111) Nanostructure Influenced by Oxygen Vacancy. <i>Advanced Functional Materials</i> , 2015 , 25, 947-956	15.6	35
483	. <i>Journal of Display Technology</i> , 2015 , 11, 541-546		17
482	Room temperature synthesis of Cu ₂ O nanospheres: optical properties and thermal behavior. <i>Microscopy and Microanalysis</i> , 2015 , 21, 108-19	0.5	13
481	Development of multicore hybrid particles for drug delivery through the precipitation of CO ₂ saturated emulsions. <i>International Journal of Pharmaceutics</i> , 2015 , 478, 9-18	6.5	17
480	TiO ₂ /Cu ₂ O all-oxide heterojunction solar cells produced by spray pyrolysis. <i>Solar Energy Materials and Solar Cells</i> , 2015 , 132, 549-556	6.4	131
479	Tailoring nanoscale properties of tungsten oxide for inkjet printed electrochromic devices. <i>Nanoscale</i> , 2015 , 7, 1696-708	7.7	36

478	Cu ₂ O nanowires produced by oxidation of Cu nanowires: a comparison between microwave irradiation and furnace annealing in atmospheric conditions. <i>Microscopy and Microanalysis</i> , 2015 , 21, 112-113	0.5	1
477	One nanoprobe, two pathogens: gold nanoprobe multiplexing for point-of-care. <i>Journal of Nanobiotechnology</i> , 2015 , 13, 48	9.4	13
476	Operational stability of solution based zinc tin oxide/SiO ₂ thin film transistors under gate bias stress. <i>APL Materials</i> , 2015 , 3, 062804	5.7	8
475	Engineered cellulose fibers as dielectric for oxide field effect transistors. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2015 , 12, 1421-1426		4
474	Water-Induced Scandium Oxide Dielectric for Low-Operating Voltage n- and p-Type Metal-Oxide Thin-Film Transistors. <i>Advanced Functional Materials</i> , 2015 , 25, 7180-7188	15.6	121
473	Electrodeposition of WO ₃ Nanoparticles for Sensing Applications 2015 ,		9
472	Simulated and Real Sheet-of-Light 3D Object Scanning Using a-Si:H Thin Film PSD Arrays. <i>Sensors</i> , 2015 , 15, 29938-49	3.8	1
471	Effect of solvents on ZnO nanostructures synthesized by solvothermal method assisted by microwave radiation: a photocatalytic study. <i>Journal of Materials Science</i> , 2015 , 50, 5777-5787	4.3	92
470	. <i>Journal of Display Technology</i> , 2015 , 11, 547-553		27
469	Study of the optical, electrical and corrosion resistance properties of AZO layers deposited by DC pulsed magnetron sputtering. <i>Surface and Coatings Technology</i> , 2015 , 271, 141-147	4.4	19
468	a-GIZO TFT neural modeling, circuit simulation and validation. <i>Solid-State Electronics</i> , 2015 , 105, 30-36	1.7	8
467	Solvothermal synthesis of gallium-indium-zinc-oxide nanoparticles for electrolyte-gated transistors. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 638-46	9.5	28
466	One-step synthesis of ZnO decorated CNT buckypaper composites and their optical and electrical properties. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015 , 195, 38-44	3.1	23
465	Mobile based gold nanoprobe TB diagnostics for point-of-need. <i>Methods in Molecular Biology</i> , 2015 , 1256, 41-56	1.4	8
464	Structure and Morphologic Influence of WO ₃ Nanoparticles on the Electrochromic Performance of Dual-Phase a-WO ₃ /WO ₃ Inkjet Printed Films. <i>Advanced Electronic Materials</i> , 2015 , 1, 1400002	6.4	41
463	Towards environmental friendly solution-based ZTO/AlO _x TFTs. <i>Semiconductor Science and Technology</i> , 2015 , 30, 024007	1.8	39
462	Al-doped ZnO nanostructured powders by emulsion detonation synthesis ¶Improving materials for high quality sputtering targets manufacturing. <i>Journal of the European Ceramic Society</i> , 2014 , 34, 2325-2338	6	20
461	A low cost, safe, disposable, rapid and self-sustainable paper-based platform for diagnostic testing: lab-on-paper. <i>Nanotechnology</i> , 2014 , 25, 094006	3.4	146

460	Color sensing ability of an amorphous silicon position sensitive detector array system. <i>Sensors and Actuators A: Physical</i> , 2014 , 205, 26-37	3.9	3
459	Statistical mixture design and multivariate analysis of inkjet printed a-WO ₃ /TiO ₂ /WOX electrochromic films. <i>ACS Combinatorial Science</i> , 2014 , 16, 5-16	3.9	21
458	Aqueous combustion synthesis of aluminum oxide thin films and application as gate dielectric in GZTO solution-based TFTs. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 19592-9	9.5	99
457	The influence of fibril composition and dimension on the performance of paper gated oxide transistors. <i>Nanotechnology</i> , 2014 , 25, 094007	3.4	50
456	Fully solution-processed low-voltage aqueous In ₂ O ₃ thin-film transistors using an ultrathin ZrO(x) dielectric. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 17364-9	9.5	144
455	Experimental optimization of a passive planar rhombic micromixer with obstacles for effective mixing in a short channel length. <i>RSC Advances</i> , 2014 , 4, 56013-56025	3.7	11
454	Cu ₂ O polyhedral nanowires produced by microwave irradiation. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 6097	7.1	31
453	Electronic structure of amorphous ZnO films. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2014 , 11, 1476-1480		16
452	Luminescent Electrochromic Device Based on a Biohybrid Electrolyte Doped with a Mixture of Potassium Triflate and a Europium β -diketonate Complex. <i>ECS Transactions</i> , 2014 , 61, 213-225	1	5
451	WO ₃ nanoparticle-based conformable pH sensor. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 12226-12234	9.4	105
450	Electrochromic behavior of NiO thin films deposited by e-beam evaporation at room temperature. <i>Solar Energy Materials and Solar Cells</i> , 2014 , 120, 109-115	6.4	88
449	Nanocrystalline cellulose applied simultaneously as the gate dielectric and the substrate in flexible field effect transistors. <i>Nanotechnology</i> , 2014 , 25, 094008	3.4	180
448	Synthesis of Long ZnO Nanorods under Microwave Irradiation or Conventional Heating. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 14629-14639	3.8	108
447	Green Li ⁺ - and Er ³⁺ -doped poly(ϵ -caprolactone)/siloxane biohybrid electrolytes for smart electrochromic windows. <i>Solar Energy Materials and Solar Cells</i> , 2014 , 123, 203-210	6.4	18
446	The Future Is Paper Based. <i>Information Display</i> , 2014 , 30, 20-24	0.8	2
445	Evaluation of the optoelectronic properties and corrosion behavior of Al ₂ O ₃ -doped ZnO films prepared by dc pulsed magnetron sputtering. <i>Journal Physics D: Applied Physics</i> , 2014 , 47, 485501	3	2
444	Transparent Current Mirrors Using a-GIZO TFTs: Simulation with RBF Models and Fabrication 2014 ,		2
443	Contact Effects in Amorphous InGaZnO Thin Film Transistors. <i>Journal of Display Technology</i> , 2014 , 10, 956-961		23

442	Broadband photocurrent enhancement in a-Si:H solar cells with plasmonic back reflectors. <i>Optics Express</i> , 2014 , 22 Suppl 4, A1059-70	3-3	55
441	High-performance fully amorphous bilayer metal-oxide thin film transistors using ultra-thin solution-processed ZrOx dielectric. <i>Applied Physics Letters</i> , 2014 , 105, 113509	3-4	87
440	Highly efficient nanoplasmonic SERS on cardboard packaging substrates. <i>Nanotechnology</i> , 2014 , 25, 415302	3-4	47
439	Ion sensing (EIS) real-time quantitative monitorization of isothermal DNA amplification. <i>Biosensors and Bioelectronics</i> , 2014 , 52, 50-5	11.8	32
438	Strongly Photosensitive and Fluorescent F8T2 Electrospun Fibers. <i>Macromolecular Materials and Engineering</i> , 2013 , 298, 174-180	3-9	4
437	Preparation and characterization of cellulose nanocomposite hydrogels as functional electrolytes. <i>Solid State Ionics</i> , 2013 , 242, 26-32	3-3	16
436	29.4: Invited Paper: Paper Electronics: A Challenge for the Future. <i>Digest of Technical Papers SID International Symposium</i> , 2013 , 44, 365-367	0.5	2
435	Recyclable, Flexible, Low-Power Oxide Electronics. <i>Advanced Functional Materials</i> , 2013 , 23, 2153-2161	15.6	112
434	Study and Characterization of a Novel Polymer Electrolyte Based on Agar Doped with Magnesium Triflate. <i>Molecular Crystals and Liquid Crystals</i> , 2013 , 570, 1-11	0.5	20
433	Current transport mechanism at metal-semiconductor nanoscale interfaces based on ultrahigh density arrays of p-type NiO nano-pillars. <i>Nanoscale</i> , 2013 , 5, 11699-709	7.7	21
432	Nanoparticles of copper oxide on layered double hydroxides and the derived solid solutions as wide spectrum active nano-photocatalysts. <i>Chemical Engineering Journal</i> , 2013 , 222, 60-66	14.7	36
431	p-Type Cu_xO Thin-Film Transistors Produced by Thermal Oxidation. <i>Journal of Display Technology</i> , 2013 , 9, 735-740		31
430	Bio-microfluidic platform for gold nanoprobe based DNA detection--application to Mycobacterium tuberculosis. <i>Biosensors and Bioelectronics</i> , 2013 , 48, 87-93	11.8	37
429	. <i>Journal of Display Technology</i> , 2013 , 9, 729-734		12
428	Thermoelectric properties of V2O5 thin films deposited by thermal evaporation. <i>Applied Surface Science</i> , 2013 , 282, 590-594	6.7	55
427	Gelatin/Zn(CF3SO3)2 Polymer Electrolytes for Electrochromic Devices. <i>Electroanalysis</i> , 2013 , 25, 1483-1490	3-02	18
426	Effect of substrate temperature on the properties of pyrolytically deposited nitrogen-doped zinc oxide thin films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2013 , 178, 103-108	3-1	4
425	. <i>Journal of Display Technology</i> , 2013 , 9, 723-728		7

424	. <i>Journal of Display Technology</i> , 2013 , 9, 825-831		6
423	Comparative study of transparent rectifying contacts on semiconducting oxide single crystals and amorphous thin films. <i>Journal of Applied Physics</i> , 2013 , 113, 044511	2.5	21
422	A Review on Cu ₂ O and CuI-Based p-Type Semiconducting Transparent Oxide Materials: Promising Candidates for New Generation Oxide Based Electronics. <i>Reviews in Advanced Sciences and Engineering</i> , 2013 , 2, 273-304		86
421	Fast Switching Electrochromic Devices Containing Optimized BEMA/PEGMA Gel Polymer Electrolytes. <i>International Journal of Electrochemistry</i> , 2013 , 2013, 1-10	2.4	7
420	. <i>Journal of Display Technology</i> , 2013 , 9, 1001-1006		20
419	High-gain amplifier with n-type transistors 2013 ,		9
418	Preparation and Characterization of Hybrid Oxyethylene/Siloxane Electrolyte Systems. <i>Electroanalysis</i> , 2013 , 25, 515-522	3	2
417	Effect of N and P codoping on ZnO properties. <i>Advanced Materials Research</i> , 2013 , 645, 64-67	0.5	4
416	High-gain topologies for transparent electronics 2013 ,		5
415	Role of a disperse carbon interlayer on the performances of tandem a-Si solar cells. <i>Science and Technology of Advanced Materials</i> , 2013 , 14, 045009	7.1	6
414	Uniform arrays of ZnO 1D nanostructures grown on Al:ZnO seeds layers by hydrothermal method. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 6701-10	1.3	2
413	Foreword [Special Issue on the 8th International Thin-Film Transistor Conference (ITC 2012)]. <i>Journal of Display Technology</i> , 2013 , 9, 687-687		
412	Multifunctional zinc oxide nanostructures for a new generation of devices. <i>Materials Chemistry and Physics</i> , 2012 , 132, 339-346	4.4	10
411	Investigation of O ⁷⁺ swift heavy ion irradiation on molybdenum doped indium oxide thin films. <i>Radiation Physics and Chemistry</i> , 2012 , 81, 589-593	2.5	14
410	Modulations in effective work function of platinum gate electrode in metal-oxide-semiconductor devices. <i>Thin Solid Films</i> , 2012 , 520, 4556-4558	2.2	9
409	Enigmatic reticulated filaments in subsurface granite. <i>Environmental Microbiology Reports</i> , 2012 , 4, 596-603		23
408	High mobility and visible-blind infrared transparent titanium doped indium oxide thin films produced by spray pyrolysis. <i>Thin Solid Films</i> , 2012 , 524, 268-271	2.2	21
407	p-Type Cu_xO Films Deposited at Room Temperature for Thin-Film Transistors. <i>Journal of Display Technology</i> , 2012 , 8, 41-47		28

406	Poly (ε-caprolactone)/siloxane biohybrids with application in smart windows <i>Synthetic Metals</i> , 2012 , 161, 2682-2687	3.6	11
405	N-Type Transparent Semiconducting Oxides 2012 , 9-61		
404	P-Type Transparent Conductors and Semiconductors 2012 , 63-100		
403	Gold on paper-paper platform for Au-nanoprobe TB detection. <i>Lab on A Chip</i> , 2012 , 12, 4802-8	7.2	116
402	P-type oxide-based thin film transistors produced at low temperatures 2012 ,		10
401	Multicomponent dielectrics for oxide TFT 2012 ,		1
400	Multipliers with transparent a-GIZO TFTs using a neural model 2012 ,		2
399	Basic analog circuits with a-GIZO thin-film transistors: Modeling and simulation 2012 ,		8
398	Aluminum doped zinc oxide sputtering targets obtained from nanostructured powders: Processing and application. <i>Journal of the European Ceramic Society</i> , 2012 , 32, 4381-4391	6	54
397	Gate Dielectrics in Oxide Electronics 2012 , 101-153		
396	The (R)evolution of Thin-Film Transistors (TFTs) 2012 , 155-209		0
395	Electronics with and on Paper 2012 , 211-266		2
394	A Glance at Current and Upcoming Applications 2012 , 267-286		1
393	Microstructure control of dual-phase inkjet-printed a-WO ₃ /TiO ₂ /WO _x films for high-performance electrochromic applications. <i>Journal of Materials Chemistry</i> , 2012 , 22, 13268		51
392	The electronic transport mechanism in indium molybdenum oxide thin films RF sputtered at room temperature. <i>Europhysics Letters</i> , 2012 , 97, 36002	1.6	6
391	. <i>IEEE Sensors Journal</i> , 2012 , 12, 812-820	4	8
390	Hydrogen plasma treatment of very thin p-type nanocrystalline Si films grown by RF-PECVD in the presence of B(CH ₃). <i>Science and Technology of Advanced Materials</i> , 2012 , 13, 045004	7.1	12
389	Study of electrochromic devices with nanocomposites polymethacrylate hydroxyethylene resin based electrolyte. <i>Polymers for Advanced Technologies</i> , 2012 , 23, 791-795	3.2	15

388	Oxide semiconductor thin-film transistors: a review of recent advances. <i>Advanced Materials</i> , 2012 , 24, 2945-86	24	2152
387	Sintering Behavior of Nano- and Micro-Sized ZnO Powder Targets for rf Magnetron Sputtering Applications. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 204-210	3.8	25
386	3D scanning characteristics of an amorphous silicon position sensitive detector array system. <i>Optics Express</i> , 2012 , 20, 4583-602	3.3	6
385	N-Type Oxide Semiconductor Thin-Film Transistors. <i>Springer Series in Materials Science</i> , 2012 , 435-476	0.9	3
384	2012 ,		83
383	Thin-Film Transistors Based on Indium Molybdenum Oxide Semiconductor Layers Sputtered at Room Temperature. <i>IEEE Electron Device Letters</i> , 2011 , 32, 1391-1393	4.4	8
382	Li(+)- and Eu(III)-doped poly(ϵ -caprolactone)/siloxane biohybrid electrolytes for electrochromic devices. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 2953-65	9.5	23
381	Environmental, Optical, and Electrical Stability Study of Solution-Processed Zinc Oxide Thin-Film Transistors. <i>Journal of Display Technology</i> , 2011 , 7, 640-643		24
380	K ⁺ -doped poly(ϵ -caprolactone)/siloxane biohybrid electrolytes for electrochromic devices. <i>Solid State Ionics</i> , 2011 , 204-205, 129-139	3.3	17
379	The effect of dopants on the morphology, microstructure and electrical properties of transparent zinc oxide films prepared by the sol-gel method. <i>Thin Solid Films</i> , 2011 , 520, 1174-1177	2.2	4
378	Role of Ga ₂ O ₃ /In ₂ O ₃ /InO channel composition on the electrical performance of thin-film transistors. <i>Materials Chemistry and Physics</i> , 2011 , 131, 512-518	4.4	106
377	Preliminary characterisation of LiAsF ₆ hybrid polymer electrolytes for electrochromic devices. <i>Electrochimica Acta</i> , 2011 , 57, 52-57	6.7	5
376	Real-time monitoring of PCR amplification of proto-oncogene c-MYC using a Ta ₂ O ₅ electrolyte-insulator-semiconductor sensor. <i>Biosensors and Bioelectronics</i> , 2011 , 28, 44-9	11.8	20
375	Silicon thin film solar cells on commercial tiles. <i>Energy and Environmental Science</i> , 2011 , 4, 4620	35.4	57
374	Where science fiction meets reality? With oxide semiconductors!. <i>Physica Status Solidi - Rapid Research Letters</i> , 2011 , 5, 336-339	2.5	45
373	Electronics with and on paper. <i>Physica Status Solidi - Rapid Research Letters</i> , 2011 , 5, 332-335	2.5	85
372	Characterization of polyether-poly(methyl methacrylate)-lithium perchlorate blend electrolytes. <i>Polymers for Advanced Technologies</i> , 2011 , 22, 1753-1759	3.2	9
371	Role of Room Temperature Sputtered High Conductive and High Transparent Indium Zinc Oxide Film Contacts on the Performance of Orange, Green, and Blue Organic Light Emitting Diodes. <i>Plasma Processes and Polymers</i> , 2011 , 8, 340-345	3.4	24

370	Complementary metal oxide semiconductor technology with and on paper. <i>Advanced Materials</i> , 2011 , 23, 4491-6	24	201
369	Portable optoelectronic biosensing platform for identification of mycobacteria from the Mycobacterium tuberculosis complex. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 2012-7	11.8	31
368	Thin and flexible bio-batteries made of electrospun cellulose-based membranes. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 2742-5	11.8	31
367	Solid-state paper batteries for controlling paper transistors. <i>Electrochimica Acta</i> , 2011 , 56, 1099-1105	6.7	30
366	Effects of O7+ swift heavy ion irradiation on indium oxide thin films. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2011 , 269, 1836-1840	1.2	6
365	The characterisation of aerosol assisted CVD conducting, photocatalytic indium doped zinc oxide films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011 , 219, 10-15	4.7	33
364	Effect of Li ³⁺ heavy ion irradiation on the Mo doped In ₂ O ₃ thin films prepared by spray pyrolysis technique. <i>Journal Physics D: Applied Physics</i> , 2011 , 44, 085404	3	11
363	Away from silicon era: the paper electronics 2011 ,		5
362	Role of trimethylboron to silane ratio on the properties of p-type nanocrystalline silicon thin film deposited by radio frequency plasma enhanced chemical vapour deposition. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 2547-51	1.3	5
361	High Mobility a-IGO Films Produced at Room Temperature and Their Application in TFTs. <i>Electrochemical and Solid-State Letters</i> , 2010 , 13, H20		41
360	Transparent p-type SnO _x thin film transistors produced by reactive rf magnetron sputtering followed by low temperature annealing. <i>Applied Physics Letters</i> , 2010 , 97, 052105	3.4	232
359	Zinc concentration dependence study of solution processed amorphous indium gallium zinc oxide thin film transistors using high-k dielectric. <i>Applied Physics Letters</i> , 2010 , 97, 183504	3.4	65
358	Low-temperature processed Schottky-gated field-effect transistors based on amorphous gallium-indium-zinc-oxide thin films. <i>Applied Physics Letters</i> , 2010 , 97, 243506	3.4	47
357	Micro cantilever movement detection with an amorphous silicon array of position sensitive detectors. <i>Sensors</i> , 2010 , 10, 8173-84	3.8	7
356	. <i>Journal of Display Technology</i> , 2010 , 6, 332-335		40
355	Thin-film transistors based on p-type Cu ₂ O thin films produced at room temperature. <i>Applied Physics Letters</i> , 2010 , 96, 192102	3.4	148
354	Influence of oxygen partial pressure on properties of N-doped ZnO films deposited by magnetron sputtering. <i>Transactions of Nonferrous Metals Society of China</i> , 2010 , 20, 2326-2330	3.3	1
353	Application of di-ureasil ormolytes based on lithium tetrafluoroborate in solid-state electrochromic displays. <i>Journal of Materials Chemistry</i> , 2010 , 20, 723-730		31

352	Insight on the SU-8 resist as passivation layer for transparent Ga ₂ O ₃ /In ₂ O ₃ /ZnO thin-film transistors. <i>Journal of Applied Physics</i> , 2010 , 108, 064505	2.5	76
351	Floating gate memory paper transistor 2010 ,		1
350	Nanostructured silicon based thin film transistors processed in the plasma dark region. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 2938-43	1.3	
349	Influence of deposition pressure on N-doped ZnO films by RF magnetron sputtering. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 2674-8	1.3	3
348	Inkjet printed and "doctor blade" TiO ₂ photodetectors for DNA biosensors. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 1229-34	11.8	52
347	Oxide Semiconductors: From Materials to Devices 2010 , 141-183		2
346	Gelatin in electrochromic devices. <i>Optical Materials</i> , 2010 , 32, 719-722	3.3	38
345	Zinc oxide thin films: Characterization and potential applications. <i>Thin Solid Films</i> , 2010 , 518, 4515-4519	2.2	57
344	Characterization of mesoporous ZnO:SiO ₂ films obtained by the sol-gel method. <i>Thin Solid Films</i> , 2010 , 518, 7002-7006	2.2	8
343	Investigations on high visible to near infrared transparent and high mobility Mo doped In ₂ O ₃ thin films prepared by spray pyrolysis technique. <i>Solar Energy Materials and Solar Cells</i> , 2010 , 94, 406-412	6.4	57
342	Structural, optical and electrical properties of indium-molybdenum oxide thin films prepared by spray pyrolysis. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010 , 207, 1554-1557	1.6	3
341	Characterization of SnO ₂ :F thin films deposited by an economic spray pyrolysis technique. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010 , 7, 2277-2281		33
340	Spray deposited molybdenum doped indium oxide thin films with high near infrared transparency and carrier mobility. <i>Applied Physics Letters</i> , 2009 , 94, 212101	3.4	29
339	High near-infrared transparency and carrier mobility of Mo doped In ₂ O ₃ thin films for optoelectronics applications. <i>Journal of Applied Physics</i> , 2009 , 106, 063716	2.5	20
338	Performance and Stability of Low Temperature Transparent Thin-Film Transistors Using Amorphous Multicomponent Dielectrics. <i>Journal of the Electrochemical Society</i> , 2009 , 156, H824	3.9	60
337	Room-Temperature Cosputtered HfO ₂ /Al ₂ O ₃ Multicomponent Gate Dielectrics. <i>Electrochemical and Solid-State Letters</i> , 2009 , 12, G65		21
336	Self-sustained n-type memory transistor devices based on natural cellulose paper fibers. <i>Journal of Information Display</i> , 2009 , 10, 149-157	4.1	4
335	Paper field effect transistor 2009 ,		3

334	Intrinsic p type ZnO films deposited by rf magnetron sputtering. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 813-6	1.3	6
333	Gate-bias stress in amorphous oxide semiconductors thin-film transistors. <i>Applied Physics Letters</i> , 2009 , 95, 063502	3.4	196
332	Nanostructured silicon and its application to solar cells, position sensors and thin film transistors. <i>Philosophical Magazine</i> , 2009 , 89, 2699-2721	1.6	49
331	Oxide semiconductors: Order within the disorder. <i>Philosophical Magazine</i> , 2009 , 89, 2741-2758	1.6	24
330	Zinc oxide, a multifunctional material: from material to device applications. <i>Applied Physics A: Materials Science and Processing</i> , 2009 , 96, 197-205	2.6	130
329	Indium molybdenum oxide thin films: A comparative study by two different RF sputtering systems. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009 , 206, 2123-2127	1.6	3
328	Electrical, structural and optical characterization of copper oxide thin films as a function of post annealing temperature. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009 , 206, 2143-2148	1.6	60
327	Sputtered multicomponent amorphous dielectrics for transparent electronics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009 , 206, 2149-2154	1.6	16
326	Electrical, structural and optical properties of fluorine-doped zinc oxide thin films: Effect of the solution aging time. <i>Thin Solid Films</i> , 2009 , 518, 1279-1282	2.2	32
325	P-type ZnO thin film deposited by spray pyrolysis technique: The effect of solution concentration. <i>Thin Solid Films</i> , 2009 , 518, 1149-1152	2.2	57
324	RF sputtered wide work function indium molybdenum oxide thin films for solar cell applications. <i>Solar Energy</i> , 2009 , 83, 726-731	6.8	22
323	High near-infrared transparent molybdenum-doped indium oxide thin films for nanocrystalline silicon solar cell applications. <i>Solar Energy Materials and Solar Cells</i> , 2009 , 93, 92-97	6.4	71
322	Highly conductive p-type nanocrystalline silicon films deposited by RF-PECVD using silane and trimethylboron mixtures at high pressure. <i>Vacuum</i> , 2009 , 83, 1253-1256	3.7	29
321	Structural and optical properties of nitrogen doped ZnO films. <i>Vacuum</i> , 2009 , 83, 1274-1278	3.7	11
320	Application of hybrid materials in solid-state electrochromic devices. <i>Optical Materials</i> , 2009 , 31, 1467-1471	3.9	17
319	Di-ureasil xerogels containing lithium bis(trifluoromethanesulfonyl)imide for application in solid-state electrochromic devices. <i>Electrochimica Acta</i> , 2009 , 54, 1002-1009	6.7	36
318	Selective floating gate non-volatile paper memory transistor. <i>Physica Status Solidi - Rapid Research Letters</i> , 2009 , 3, 308-310	2.5	33
317	Toward High-Performance Amorphous GIZO TFTs. <i>Journal of the Electrochemical Society</i> , 2009 , 156, H1613-9	3.9	216

316	Polymer light-emitting diodes with amorphous indium-zinc oxide anodes deposited at room temperature. <i>Synthetic Metals</i> , 2009 , 159, 1112-1115	3.6	12
315	. <i>IEEE Transactions on Electron Devices</i> , 2008 , 55, 954-960	2.9	169
314	High-mobility molybdenum doped indium oxide thin films prepared by spray pyrolysis technique. <i>Materials Letters</i> , 2008 , 62, 3217-3219	3.3	20
313	High-Performance Flexible Hybrid Field-Effect Transistors Based on Cellulose Fiber Paper. <i>IEEE Electron Device Letters</i> , 2008 , 29, 988-990	4.4	219
312	Metal contamination detection in nickel induced crystallized silicon by spectroscopic ellipsometry. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 2319-2323	3.9	1
311	Low temperature high k dielectric on poly-Si TFTs. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 2534-2537	3.9	9
310	Identification of unamplified genomic DNA sequences using gold nanoparticle probes and a novel thin film photodetector. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 2580-2584	3.9	8
309	The effects of ZnO coating on the photoluminescence properties of porous silicon for the advanced optoelectronic devices. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 2181-2185	3.9	20
308	n-PS/a-Si:H heterojunction for device application. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 2632-2636	3.9	7
307	Fabrication and characterization of hybrid solar cells based on copper phthalocyanine/porous silicon. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 2892-2896	3.9	21
306	Investigation of hydrocarbon coated porous silicon using PECVD technique to detect CO2 gas. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 2610-2614	3.9	3
305	Effect of annealing on the properties of RF sputtered indium molybdenum oxide thin films. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 2831-2838	3.9	0
304	Co-doping of aluminium and gallium with nitrogen in ZnO films deposited by RF magnetron sputtering. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 075220	1.8	6
303	The Effect of Deposition Conditions and Annealing on the Performance of High-Mobility GIZO TFTs. <i>Electrochemical and Solid-State Letters</i> , 2008 , 11, H248		95
302	High mobility indium free amorphous oxide thin film transistors. <i>Applied Physics Letters</i> , 2008 , 92, 222103	3.4	193
301	Write-erase and read paper memory transistor. <i>Applied Physics Letters</i> , 2008 , 93, 203501	3.4	112
300	Optical and Microstructural Investigations of Porous Silicon Coated with a-Si:H Using PECVD Technique. <i>Materials Science Forum</i> , 2008 , 587-588, 308-312	0.4	
299	New Amorphous Oxide Semiconductor for Thin Film Transistors (TFTs). <i>Materials Science Forum</i> , 2008 , 587-588, 348-352	0.4	1

298	Effect of annealing on the properties of N-doped ZnO films deposited by RF magnetron sputtering. <i>Applied Surface Science</i> , 2008 , 254, 7178-7182	6.7	25
297	Characterization of optoelectronic platform using an amorphous/nanocrystalline silicon biosensor for the specific identification of nucleic acid sequences based on gold nanoparticle probes. <i>Sensors and Actuators B: Chemical</i> , 2008 , 132, 508-511	8.5	8
296	Crystallization of amorphous indium zinc oxide thin films produced by radio-frequency magnetron sputtering. <i>Thin Solid Films</i> , 2008 , 516, 1374-1376	2.2	41
295	Solid-state electrochromic devices based on poly(trimethylene carbonate) and lithium salts. <i>Thin Solid Films</i> , 2008 , 516, 1480-1483	2.2	15
294	Sol-gel cobalt oxide-silica nanocomposite thin films for gas sensing applications. <i>Thin Solid Films</i> , 2008 , 516, 1499-1502	2.2	20
293	Microstructure and gas-sensing properties of sol-gel ZnO thin films. <i>Thin Solid Films</i> , 2008 , 516, 1512-1515	2.2	72
292	Advances in transparent electronics: From materials to devices I. <i>Thin Solid Films</i> , 2008 , 516, 1313	2.2	3
291	Study of environmental degradation of silver surface. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008 , 5, 1215-1218		10
290	Spectroscopic ellipsometry study of Co-doped TiO ₂ films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008 , 205, 880-883	1.6	10
289	ZnO/SiO ₂ nanocomposite thin films by sol-gel method. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008 , 205, 2075-2079	1.6	23
288	The role of source and drain material in the performance of GIZO based thin-film transistors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008 , 205, 1905-1909	1.6	29
287	Effect of post-annealing on the properties of copper oxide thin films obtained from the oxidation of evaporated metallic copper. <i>Applied Surface Science</i> , 2008 , 254, 3949-3954	6.7	187
286	Highly stable transparent and conducting gallium-doped zinc oxide thin films for photovoltaic applications. <i>Solar Energy Materials and Solar Cells</i> , 2008 , 92, 1605-1610	6.4	139
285	High mobility and low threshold voltage transparent thin film transistors based on amorphous indium zinc oxide semiconductors. <i>Solid-State Electronics</i> , 2008 , 52, 443-448	1.7	72
284	Effect of annealing on molybdenum doped indium oxide thin films RF sputtered at room temperature. <i>Vacuum</i> , 2008 , 82, 1489-1494	3.7	7
283	Influence of oxygen/argon pressure ratio on the morphology, optical and electrical properties of ITO thin films deposited at room temperature. <i>Vacuum</i> , 2008 , 82, 1507-1511	3.7	49
282	High k dielectrics for low temperature electronics. <i>Thin Solid Films</i> , 2008 , 516, 1544-1548	2.2	53
281	Thermochromic properties of vanadium oxide films prepared by dc reactive magnetron sputtering. <i>Thin Solid Films</i> , 2008 , 516, 1484-1488	2.2	40

280	Some studies on highly transparent wide band gap indium molybdenum oxide thin films rf sputtered at room temperature. <i>Thin Solid Films</i> , 2008 , 516, 1359-1364	2.2	14
279	Electron transport in single and multicomponent n-type oxide semiconductors. <i>Thin Solid Films</i> , 2008 , 516, 1322-1325	2.2	23
278	Influencia del gas portador en las propiedades de películas de ZnO crecidas mediante MOCVD. <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , 2008 , 47, 242-244	1.9	3
277	Amorphous/nanocrystalline silicon biosensor for the specific identification of unamplified nucleic acid sequences using gold nanoparticle probes. <i>Applied Physics Letters</i> , 2007 , 90, 023903	3.4	35
276	Novel Optoelectronic Platform using an Amorphous/Nanocrystalline Silicon Biosensor for the Specific Identification of Unamplified Nucleic Acid Sequences Based on Gold Nanoparticle Probes 2007 ,		2
275	Sol-gel-derived potassium-based di-ureasils for smart windows <i>Journal of Materials Chemistry</i> , 2007 , 17, 4239		29
274	Influence of substrate temperature on N-doped ZnO films deposited by RF magnetron sputtering. <i>Thin Solid Films</i> , 2007 , 515, 8785-8788	2.2	28
273	Influence of post-annealing temperature on the properties exhibited by ITO, IZO and GZO thin films. <i>Thin Solid Films</i> , 2007 , 515, 8562-8566	2.2	122
272	Amorphous IZO TFTs with saturation mobilities exceeding 100 cm ² /Vs. <i>Physica Status Solidi - Rapid Research Letters</i> , 2007 , 1, R34-R36	2.5	155
271	Role of order and disorder in covalent semiconductors and ionic oxides used to produce thin film transistors. <i>Applied Physics A: Materials Science and Processing</i> , 2007 , 89, 37-42	2.6	40
270	Non-isothermal kinetic study on the decomposition of Zn acetate-based Sol-gel precursor. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007 , 89, 505-509	4.1	9
269	Studies of solid-state electrochromic devices based on PEO/siliceous hybrids doped with lithium perchlorate. <i>Electrochimica Acta</i> , 2007 , 52, 2938-2943	6.7	46
268	3 dimensional polymorphous silicon based metal-insulator-semiconductor position sensitive detectors. <i>Thin Solid Films</i> , 2007 , 515, 7530-7533	2.2	3
267	Preliminary studies on molybdenum-doped indium oxide thin films deposited by radio-frequency magnetron sputtering at room temperature. <i>Thin Solid Films</i> , 2007 , 515, 5512-5518	2.2	12
266	Influence of the reactive N ₂ gas flow on the properties of rf-sputtered ZnO thin films. <i>Thin Solid Films</i> , 2007 , 515, 8780-8784	2.2	25
265	Optical and structural analysis of porous silicon coated with GZO films using rf magnetron sputtering. <i>Thin Solid Films</i> , 2007 , 515, 8664-8669	2.2	26
264	Effect of base and oxygen partial pressures on the electrical and optical properties of indium molybdenum oxide thin films. <i>Thin Solid Films</i> , 2007 , 515, 8549-8552	2.2	8
263	Effect of annealing temperature on the properties of IZO films and IZO based transparent TFTs. <i>Thin Solid Films</i> , 2007 , 515, 8450-8454	2.2	85

262	Transparent Conducting Oxides for Photovoltaics. <i>MRS Bulletin</i> , 2007 , 32, 242-247	3.2	697
261	Role of order and disorder on the electronic performances of oxide semiconductor thin film transistors. <i>Journal of Applied Physics</i> , 2007 , 101, 044505	2.5	185
260	Influence of time, light and temperature on the electrical properties of zinc oxide TFTs. <i>Superlattices and Microstructures</i> , 2006 , 39, 319-327	2.8	29
259	Effect of post-heat treatment on the electrical and optical properties of ZnO:Al thin films. <i>Thin Solid Films</i> , 2006 , 502, 219-222	2.2	60
258	Nickel-assisted metal-induced crystallization of silicon: Effect of native silicon oxide layer. <i>Thin Solid Films</i> , 2006 , 511-512, 275-279	2.2	8
257	Role of hydrogen plasma on electrical and optical properties of ZGO, ITO and IZO transparent and conductive coatings. <i>Thin Solid Films</i> , 2006 , 511-512, 295-298	2.2	77
256	Nanostructure characterization of high k materials by spectroscopic ellipsometry. <i>Applied Surface Science</i> , 2006 , 253, 339-343	6.7	13
255	Novel Multilayer Coatings on Polyethylene for Acetabular Devices. <i>Materials Science Forum</i> , 2006 , 514-516, 868-871	0.4	
254	Zinc Oxide Thin Films used as an Ozone Sensor at Room Temperature. <i>Materials Research Society Symposia Proceedings</i> , 2006 , 915, 1		5
253	Insights on Amorphous Silicon Nip and MIS 3D Position Sensitive Detectors. <i>Materials Science Forum</i> , 2006 , 514-516, 13-17	0.4	2
252	Role of Hydrogen Plasma on the Electrical and Optical Properties of Indium Zinc Transparent Conductive Oxide. <i>Materials Science Forum</i> , 2006 , 514-516, 63-67	0.4	1
251	A Study on the Electrical Properties of ZnO Based Transparent TFTs. <i>Materials Science Forum</i> , 2006 , 514-516, 68-72	0.4	4
250	Effect of Oxidant/ Monomer Ratio on the Electrical Properties of Polypyrrole in Tantalum Capacitors. <i>Materials Science Forum</i> , 2006 , 514-516, 43-47	0.4	4
249	Poly-Si Thin Film Transistors: Effect of Metal Thickness on Silicon Crystallization. <i>Materials Science Forum</i> , 2006 , 514-516, 28-32	0.4	
248	Electrical Performances of Low Temperature Annealed Hafnium Oxide Deposited at Room Temperature. <i>Materials Science Forum</i> , 2006 , 514-516, 58-62	0.4	1
247	The Study of High Temperature Annealing of a-SiC:H Films. <i>Materials Science Forum</i> , 2006 , 514-516, 18-22	0.4	
246	Characterization of Nickel Induced Crystallized Silicon by Spectroscopic Ellipsometry. <i>Materials Research Society Symposia Proceedings</i> , 2006 , 910, 6		
245	Multifunctional Thin Film Zinc Oxide Semiconductors: Application to Electronic Devices. <i>Materials Science Forum</i> , 2006 , 514-516, 3-7	0.4	6

244	Micro electronic and macro optical parameters of the ITO films prepared by DC sputtering for electrochromic applications 2006 ,		1
243	Thermoreactivity of Sol-Gel Precursor for ZnO-Based Thin Films. <i>Materials Science Forum</i> , 2006 , 514-516, 73-77	0.4	2
242	Study of Electrochromic Devices Incorporating a Polymer Gel Electrolyte Component. <i>Materials Science Forum</i> , 2006 , 514-516, 83-87	0.4	2
241	Investigation of a-Si:H 1D MIS position sensitive detectors for application in 3D sensors. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 1787-1791	3.9	4
240	Impedance study of the electrical properties of poly-Si thin film transistors. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 1737-1740	3.9	3
239	Influence of the semiconductor thickness on the electrical properties of transparent TFTs based on indium zinc oxide. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 1749-1752	3.9	183
238	Effect of UV and visible light radiation on the electrical performances of transparent TFTs based on amorphous indium zinc oxide. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 1756-1760	3.9	76
237	Electron transport and optical characteristics in amorphous indium zinc oxide films. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 1471-1474	3.9	70
236	Hydrogenated p-type nanocrystalline silicon in amorphous silicon solar cells. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 1900-1903	3.9	37
235	Study of nanostructured silicon by hydrogen evolution and its application in p _{in} solar cells. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 1945-1948	3.9	11
234	Spectroscopic ellipsometry study of nickel induced crystallization of a-Si. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 1204-1208	3.9	7
233	UV and ozone influence on the conductivity of ZnO thin films. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 1444-1447	3.9	31
232	Role of the thickness on the electrical and optical performances of undoped polycrystalline zinc oxide films used as UV detectors. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 1448-1452	3.9	10
231	Study of nanostructured/amorphous silicon solar cell by impedance spectroscopy technique. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 1880-1883	3.9	27
230	Hydrogenated silicon carbon nitride films obtained by HWCVD, PA-HWCVD and PECVD techniques. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 1361-1366	3.9	37
229	Amorphous silicon position sensitive detectors applied to micropositioning. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 1792-1796	3.9	12
228	Heterojunction solar cells with n-type nanocrystalline silicon emitters on p-type c-Si wafers. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 1972-1975	3.9	29
227	Optical properties of cobalt oxide films by a dipping sol-gel process. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 1479-1485	3.9	32

226	Transparent thin film transistors based on indium oxide semiconductor. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 2311-2314	3.9	44
225	Influence of the Electrical and Structural Properties of Tin Oxide on the Performances of Combustible Gas Sensors 2006 , 477-482		
224	Influence of the ex-situ and in-situ annealed self-buffer layer on ZnO film. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006 , 3, 1010-1013		1
223	Electrodeposition of polypyrrole on aluminium in aqueous tartaric solution. <i>Electrochimica Acta</i> , 2006 , 51, 5802-5810	6.7	36
222	Low temperature processed hafnium oxide: Structural and electrical properties. <i>Materials Science in Semiconductor Processing</i> , 2006 , 9, 1125-1132	4.3	26
221	Conditions to prepare PPy/Al ₂ O ₃ /Al used as a solid-state capacitor from aqueous malic solutions. <i>Journal of Power Sources</i> , 2006 , 160, 1471-1479	8.9	9
220	Silicon thin films prepared in the transition region and their use in solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2006 , 90, 3001-3008	6.4	16
219	High mobility amorphous/nanocrystalline indium zinc oxide deposited at room temperature. <i>Thin Solid Films</i> , 2006 , 502, 104-107	2.2	68
218	Electrical properties of amorphous and nanocrystalline hydrogenated silicon films obtained by impedance spectroscopy. <i>Thin Solid Films</i> , 2006 , 511-512, 390-393	2.2	8
217	Performances of an in-line PECVD system used to produce amorphous and nanocrystalline silicon solar cells. <i>Thin Solid Films</i> , 2006 , 511-512, 238-242	2.2	3
216	Influence of the self-buffer layer on ZnO film grown by atmospheric metal organic chemical vapor deposition. <i>Thin Solid Films</i> , 2006 , 515, 1527-1531	2.2	2
215	Flexible a-Si:H Position-Sensitive Detectors. <i>Proceedings of the IEEE</i> , 2005 , 93, 1281-1286	14.3	27
214	Super linear position sensitive detectors using MIS structures. <i>Optical Materials</i> , 2005 , 27, 1088-1092	3.3	10
213	ITO films with enhanced electrical properties deposited on unheated ZnO-coated polymer substrates. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005 , 118, 66-69	3.1	8
212	Influence of the oxygen/argon ratio on the properties of sputtered hafnium oxide. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005 , 118, 210-213	3.1	47
211	Room temperature dc and ac electrical behaviour of undoped ZnO films under UV light. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005 , 118, 135-140	3.1	9
210	Influence of metal induced crystallization parameters on the performance of polycrystalline silicon thin film transistors. <i>Thin Solid Films</i> , 2005 , 487, 102-106	2.2	13
209	Role of buffer layer on the performances of amorphous silicon solar cells with incorporated nanoparticles produced by plasma enhanced chemical vapor deposition at 27.12 MHz. <i>Thin Solid Films</i> , 2005 , 487, 170-173	2.2	21

208	Recent advances in ZnO transparent thin film transistors. <i>Thin Solid Films</i> , 2005 , 487, 205-211	2.2	301
207	Polycrystalline intrinsic zinc oxide to be used in transparent electronic devices. <i>Thin Solid Films</i> , 2005 , 487, 212-215	2.2	43
206	Amorphous silicon-based PINIP structure for color sensor. <i>Thin Solid Films</i> , 2005 , 487, 268-270	2.2	5
205	Role of annealing environment on the performances of large area ITO films produced by rf magnetron sputtering. <i>Thin Solid Films</i> , 2005 , 487, 271-276	2.2	56
204	Characterization of silicon carbide thin films and their use in colour sensor. <i>Solar Energy Materials and Solar Cells</i> , 2005 , 87, 343-348	6.4	2
203	Influence of the layer thickness and hydrogen dilution on electrical properties of large area amorphous silicon p-i-n solar cell. <i>Solar Energy Materials and Solar Cells</i> , 2005 , 87, 349-355	6.4	5
202	Fully Transparent ZnO Thin-Film Transistor Produced at Room Temperature. <i>Advanced Materials</i> , 2005 , 17, 590-594	24	744
201	Linearity and sensitivity of MIS position sensitive detectors. <i>Journal of Materials Science</i> , 2005 , 40, 1377-1381	4.3	13
200	Metal induced crystallization: Gold versus aluminium. <i>Journal of Materials Science</i> , 2005 , 40, 1387-1391	4.3	9
199	Transport in high mobility amorphous wide band gap indium zinc oxide films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2005 , 202, R95-R97	1.6	103
198	Molybdenum doped Indium Oxide thin films prepared by rf sputtering. <i>Materials Research Society Symposia Proceedings</i> , 2005 , 905, 1		1
197	Annealing properties of ZnO films grown using diethyl zinc and tertiary butanol. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 1719-1724	1.8	14
196	Influence of the Rapid Thermal Annealing on the Properties of Thin a-Si Films. <i>Materials Science Forum</i> , 2004 , 455-456, 108-111	0.4	
195	Role of Substrate on the Growth Process of Polycrystalline Silicon Thin Films by Low-Pressure Chemical Vapour Deposition. <i>Materials Science Forum</i> , 2004 , 455-456, 112-115	0.4	
194	ZnO:Ga Thin Films Produced by RF Sputtering at Room Temperature: Effect of the Power Density. <i>Materials Science Forum</i> , 2004 , 455-456, 12-15	0.4	6
193	Effect of Annealing on Gold Rectifying Contacts in Amorphous Silicon. <i>Materials Science Forum</i> , 2004 , 455-456, 96-99	0.4	2
192	Sputtering Preparation of Silicon Nitride Thin Films for Gate Dielectric Applications. <i>Materials Science Forum</i> , 2004 , 455-456, 69-72	0.4	
191	Characterization of Polymorphous Silicon Thin Film and Solar Cells. <i>Materials Science Forum</i> , 2004 , 455-456, 77-80	0.4	1

190	Composition, Structure and Optical Characteristics of Polymorphous Silicon Films Deposited by PECVD at 27.12 MHz. <i>Materials Science Forum</i> , 2004 , 455-456, 100-103	0.4	1
189	Growth of Polymorphous/Nanocrystalline Silicon Films Deposited by PECVD at 13.56 MHz. <i>Materials Science Forum</i> , 2004 , 455-456, 532-535	0.4	1
188	Physical Properties of Sputtered ITO and WO ₃ Thin Films. <i>Materials Science Forum</i> , 2004 , 455-456, 7-11	0.4	2
187	Batch Processing Method to Deposit a-Si:H Films by PECVD. <i>Materials Science Forum</i> , 2004 , 455-456, 104-107	0.4	1
186	MIS Photodiodes of Polymorphous Silicon Deposited at Higher Growth Rates by 27.12 MHz PECVD Discharge. <i>Materials Science Forum</i> , 2004 , 455-456, 73-76	0.4	
185	Effect of Thermal Treatment on the Properties of Sol-Gel Derived Al-Doped ZnO Thin Films. <i>Materials Science Forum</i> , 2004 , 455-456, 16-19	0.4	
184	Improvement of Field-Effect Mobilities in TFTs: Surface Plasma Treatments Vs Stack Dielectric Structures. <i>Materials Science Forum</i> , 2004 , 455-456, 64-68	0.4	
183	Silicon Etching in CF ₄ /O ₂ and SF ₆ Atmospheres. <i>Materials Science Forum</i> , 2004 , 455-456, 120-123	0.4	
182	Polycrystalline silicon obtained by metal induced crystallization using different metals. <i>Thin Solid Films</i> , 2004 , 451-452, 334-339	2.2	32
181	High quality conductive gallium-doped zinc oxide films deposited at room temperature. <i>Thin Solid Films</i> , 2004 , 451-452, 443-447	2.2	92
180	Effect of the discharge frequency and impedance on the structural properties of polymorphous silicon. <i>Thin Solid Films</i> , 2004 , 451-452, 264-268	2.2	6
179	a-Si:H TFT enhancement by plasma processing of the insulating/semiconductor interface. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004 , 109, 264-268	3.1	4
178	ITO films deposited by rf-PERTE on unheated polymer substrates Properties dependence on InBn alloy composition. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004 , 109, 245-248	3.1	8
177	Effect of the tunnelling oxide growth by H ₂ O ₂ oxidation on the performance of a-Si:H MIS photodiodes. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004 , 109, 256-259	3.1	
176	Influence of the deposition conditions on the properties of titanium oxide produced by r.f. magnetron sputtering. <i>Materials Science in Semiconductor Processing</i> , 2004 , 7, 243-247	4.3	10
175	New developments in gallium doped zinc oxide deposited on polymeric substrates by RF magnetron sputtering. <i>Surface and Coatings Technology</i> , 2004 , 180-181, 20-25	4.4	51
174	Al-doped ZnO thin films by sol-gel method. <i>Surface and Coatings Technology</i> , 2004 , 180-181, 659-662	4.4	192
173	Flexible position sensitive photodetectors based on a-Si:H heterostructures. <i>Sensors and Actuators A: Physical</i> , 2004 , 116, 119-124	3.9	3

172	Ethanol vapour detector based in porous a-Si:H films produced by HW-CVD technique. <i>Sensors and Actuators B: Chemical</i> , 2004 , 100, 236-239	8.5	2
171	Porous a/nc-Si:H films produced by HW-CVD as ethanol vapour detector and primary fuel cell. <i>Sensors and Actuators B: Chemical</i> , 2004 , 103, 344-349	8.5	11
170	Performances of hafnium oxide produced by radio frequency sputtering for gate dielectric application. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004 , 109, 89-93	3.1	34
169	Zinc oxide as an ozone sensor. <i>Journal of Applied Physics</i> , 2004 , 96, 1398-1408	2.5	166
168	Polycrystalline silicon obtained by gold metal induced crystallization. <i>Journal of Non-Crystalline Solids</i> , 2004 , 338-340, 178-182	3.9	18
167	Role of the rf frequency on the structure and composition of polymorphous silicon films. <i>Journal of Non-Crystalline Solids</i> , 2004 , 338-340, 183-187	3.9	1
166	The diphasic nc-Si/a-Si:H thin film with improved medium-range order. <i>Journal of Non-Crystalline Solids</i> , 2004 , 338-340, 188-191	3.9	13
165	Characterization of the density of states of polymorphous silicon films produced at 13.56 and 27.12 MHz using CPM and SCLC techniques. <i>Journal of Non-Crystalline Solids</i> , 2004 , 338-340, 206-210	3.9	9
164	Characterization of silicon carbide thin films prepared by VHF-PECVD technology. <i>Journal of Non-Crystalline Solids</i> , 2004 , 338-340, 530-533	3.9	18
163	Properties of ITO films deposited by plasma enhanced RTE on unheated polymer sheets □ dependence on rf electrode distance from substrates. <i>Journal of Non-Crystalline Solids</i> , 2004 , 338-340, 630-633	3.9	3
162	Properties of a-Si:H TFTs using silicon carbonitride as dielectric. <i>Journal of Non-Crystalline Solids</i> , 2004 , 338-340, 797-801	3.9	10
161	High field-effect mobility zinc oxide thin film transistors produced at room temperature. <i>Journal of Non-Crystalline Solids</i> , 2004 , 338-340, 806-809	3.9	112
160	Effect of an interfacial oxide layer in the annealing behaviour of Au/a-Si:H MIS photodiodes. <i>Journal of Non-Crystalline Solids</i> , 2004 , 338-340, 810-813	3.9	2
159	Wide-bandgap high-mobility ZnO thin-film transistors produced at room temperature. <i>Applied Physics Letters</i> , 2004 , 85, 2541-2543	3.4	455
158	Polymorphous Silicon Films Deposited at 27.12 MHz. <i>Chemical Vapor Deposition</i> , 2003 , 9, 333-337		11
157	Influence of the deposition pressure on the properties of transparent and conductive ZnO:Ga thin-film produced by r.f. sputtering at room temperature. <i>Thin Solid Films</i> , 2003 , 427, 401-405	2.2	263
156	From porous to compact films by changing the onset conditions of HW-CVD process. <i>Thin Solid Films</i> , 2003 , 427, 225-230	2.2	5
155	Properties of ITO films deposited by r.f.-PERTE on unheated polymer substrates□dependence on oxygen partial pressure. <i>Thin Solid Films</i> , 2003 , 427, 215-218	2.2	36

154	Spectroscopic ellipsometry study of amorphous silicon anodically oxidised. <i>Thin Solid Films</i> , 2003 , 427, 345-349	2.2	10
153	New challenges on gallium-doped zinc oxide films prepared by r.f. magnetron sputtering. <i>Thin Solid Films</i> , 2003 , 442, 102-106	2.2	86
152	Surface modification of a new flexible substrate based on hydroxypropylcellulose for optoelectronic applications. <i>Thin Solid Films</i> , 2003 , 442, 127-131	2.2	10
151	Polymorphous silicon deposited in large area reactor at 13 and 27 MHz. <i>Thin Solid Films</i> , 2003 , 427, 6-10	2.2	8
150	Combining HW-CVD and PECVD techniques to produce a-Si:H films. <i>Thin Solid Films</i> , 2003 , 427, 231-235	2.2	2
149	Dependence of TFT performance on the dielectric characteristics. <i>Thin Solid Films</i> , 2003 , 427, 71-76	2.2	10
148	Growth of ZnO:Ga thin films at room temperature on polymeric substrates: thickness dependence. <i>Thin Solid Films</i> , 2003 , 442, 121-126	2.2	93
147	Highly Sensitive ZnO Ozone Detectors at Room Temperature. <i>Japanese Journal of Applied Physics</i> , 2003 , 42, L435-L437	1.4	50
146	Large Area Deposition of Polymorphous Silicon by Plasma Enhanced Chemical Vapor Deposition at 27.12 MHz and 13.56 MHz. <i>Japanese Journal of Applied Physics</i> , 2003 , 42, 4935-4942	1.4	29
145	High quality a-Si:H films for MIS device applications. <i>Thin Solid Films</i> , 2002 , 403-404, 26-29	2.2	8
144	Amorphous ITO thin films prepared by DC sputtering for electrochromic applications. <i>Thin Solid Films</i> , 2002 , 420-421, 70-75	2.2	88
143	Influence of the Strain on the Electrical Resistance of Zinc Oxide Doped Thin Film Deposited on Polymer Substrates. <i>Advanced Engineering Materials</i> , 2002 , 4, 610-612	3.5	20
142	Dependence of the Strains and Residual Mechanical Stresses on the Performances Presented by a-Si:H Thin Film Position Sensors. <i>Advanced Engineering Materials</i> , 2002 , 4, 612-616	3.5	6
141	Role of the i layer surface properties on the performance of a-Si:H Schottky barrier photodiodes. <i>Sensors and Actuators A: Physical</i> , 2002 , 99, 220-223	3.9	1
140	Engineering of a-Si:H device stability by suitable design of interfaces. <i>Solar Energy Materials and Solar Cells</i> , 2002 , 73, 39-49	6.4	4
139	Effect of thickness on the properties of ITO thin films deposited by RF-PERTE on unheated, flexible, transparent substrates. <i>Surface and Coatings Technology</i> , 2002 , 151-152, 252-256	4.4	19
138	Transparent, conductive ZnO:Al thin film deposited on polymer substrates by RF magnetron sputtering. <i>Surface and Coatings Technology</i> , 2002 , 151-152, 247-251	4.4	59
137	Production and characterization of zinc oxide thin films for room temperature ozone sensing. <i>Thin Solid Films</i> , 2002 , 418, 45-50	2.2	75

136	Composition and structure of silicon-carbide alloys obtained by hot wire and hot wire plasma assisted techniques. <i>Vacuum</i> , 2002 , 64, 261-266	3.7	10
135	Morphology and structure of nanocrystalline p-doped silicon films produced by hot wire technique. <i>Vacuum</i> , 2002 , 64, 237-243	3.7	10
134	Characterization of aluminium doped zinc oxide thin films deposited on polymeric substrates. <i>Vacuum</i> , 2002 , 64, 233-236	3.7	41
133	Effect of different dopant elements on the properties of ZnO thin films. <i>Vacuum</i> , 2002 , 64, 281-285	3.7	297
132	Performances presented by zinc oxide thin films deposited by r.f. magnetron sputtering. <i>Vacuum</i> , 2002 , 64, 293-297	3.7	107
131	Silicon nanostructure thin film materials. <i>Vacuum</i> , 2002 , 64, 219-226	3.7	1
130	Influence of a DC grid on silane r.f. plasma properties. <i>Vacuum</i> , 2002 , 64, 387-392	3.7	3
129	Hot-wire plasma assisted chemical vapor deposition: A deposition technique to obtain silicon thin films. <i>Journal of Applied Physics</i> , 2002 , 91, 1644-1649	2.5	2
128	Influence of the Plasma Regime on the Structural, Optical and Transport Properties of a-Si:H Thin Films. <i>Key Engineering Materials</i> , 2002 , 230-232, 583-586	0.4	
127	New Adhesion Process Based on Lead-Free Solder Applied in Electronic Power Devices. <i>Key Engineering Materials</i> , 2002 , 230-232, 92-95	0.4	
126	Role of the Density of States in the Colour Selection of the Collection Spectrum of Amorphous Silicon-Based Schottky Photodiodes. <i>Key Engineering Materials</i> , 2002 , 230-232, 559-562	0.4	
125	Properties Presented by ZnO Thin Films Deposited by Magnetron Sputtering and Spray Pyrolysis. <i>Key Engineering Materials</i> , 2002 , 230-232, 424-427	0.4	1
124	Optical and Photoelectric Properties of PZT Films for Microelectronic Applications. <i>Key Engineering Materials</i> , 2002 , 230-232, 563-566	0.4	
123	Influence of Hydrogen Gas Dilution on the Properties of Silicon-Doped Thin Films Prepared by the Hot-Wire Plasma-Assisted Technique. <i>Key Engineering Materials</i> , 2002 , 230-232, 591-594	0.4	
122	Structural Characterisation of Zinc Oxide Thin Films Produced by Spray Pyrolysis. <i>Key Engineering Materials</i> , 2002 , 230-232, 599-602	0.4	4
121	Highly Conductive/Transparent ZnO:Al Thin Films Deposited at Room Temperature by rf Magnetron Sputtering. <i>Key Engineering Materials</i> , 2002 , 230-232, 571-574	0.4	1
120	Role of the i-Layer Thickness in the Performance of a-Si:H Schottky Barrier Photodiodes. <i>Key Engineering Materials</i> , 2002 , 230-232, 587-590	0.4	
119	Growth Model of Gas Species Produced by the Hot-Wire and Hot-Wire Plasma-Assisted Techniques. <i>Key Engineering Materials</i> , 2002 , 230-232, 603-606	0.4	

118	Study of the Sensing Mechanism of SnO ₂ Thin-Film Gas Sensors Using Hall Effect Measurements. <i>Key Engineering Materials</i> , 2002 , 230-232, 357-360	0.4	3
117	New insights on large area flexible position sensitive detectors. <i>Journal of Non-Crystalline Solids</i> , 2002 , 299-302, 1272-1276	3.9	25
116	Performance of a-Si:H Schottky barrier and pin diodes used as position sensitive detectors. <i>Journal of Non-Crystalline Solids</i> , 2002 , 299-302, 1277-1282	3.9	7
115	Effect of rf power on the properties of ITO thin films deposited by plasma enhanced reactive thermal evaporation on unheated polymer substrates. <i>Journal of Non-Crystalline Solids</i> , 2002 , 299-302, 1208-1212	3.9	19
114	32 linear array position sensitive detector based on NIP and hetero a-Si:H microdevices. <i>Journal of Non-Crystalline Solids</i> , 2002 , 299-302, 1283-1288	3.9	10
113	a-Si:H interface optimisation for thin film position sensitive detectors produced on polymeric substrates. <i>Journal of Non-Crystalline Solids</i> , 2002 , 299-302, 1289-1294	3.9	14
112	Metal-ferroelectric thin film devices. <i>Journal of Non-Crystalline Solids</i> , 2002 , 299-302, 1311-1315	3.9	3
111	The properties of a-Si:H films deposited on Mylar substrates by hot-wire plasma assisted technique. <i>Journal of Non-Crystalline Solids</i> , 2002 , 299-302, 30-35	3.9	
110	Composite systems for flexible display applications from cellulose derivatives. <i>Synthetic Metals</i> , 2002 , 127, 111-114	3.6	3
109	Correlation between the carbon and hydrogen contents with the gas species and the plasma impedance of silicon carbide films produced by PECVD technique. <i>Applied Surface Science</i> , 2001 , 184, 101-106	6.7	1
108	Silicon carbide photodiodes: Schottky and PINIP structures. <i>Applied Surface Science</i> , 2001 , 184, 437-442	6.7	4
107	Silicon carbide alloys produced by hot wire, hot wire plasma-assisted and plasma-enhanced CVD techniques. <i>Applied Surface Science</i> , 2001 , 184, 8-19	6.7	15
106	Influence of the post-treatment on the properties of ZnO thin films. <i>Thin Solid Films</i> , 2001 , 383, 277-280	2.2	171
105	Role of ion bombardment and plasma impedance on the performances presented by undoped a-Si:H films. <i>Thin Solid Films</i> , 2001 , 383, 165-168	2.2	7
104	Correlation between a-Si:H surface oxidation process and the performance of MIS structures. <i>Thin Solid Films</i> , 2001 , 383, 185-188	2.2	7
103	Production and characterization of large area flexible thin film position sensitive detectors. <i>Thin Solid Films</i> , 2001 , 383, 310-313	2.2	12
102	Role of ion bombardment on the properties of a-Si:H films. <i>Vacuum</i> , 2001 , 60, 247-254	3.7	9
101	Fast and cheap method to qualitatively measure the thickness and uniformity of ZrO ₂ thin films. <i>Materials Science in Semiconductor Processing</i> , 2001 , 4, 319-321	4.3	2

100	Nanocrystalline p-type silicon films produced by hot wire plasma assisted technique. <i>Materials Science and Engineering C</i> , 2001 , 15, 137-140	8.3	2
99	Role of the gas pressure and hydrogen dilution on the properties of large area nanocrystalline p-type silicon films produced by hot wire technique. <i>Materials Science and Engineering C</i> , 2001 , 15, 141-144	8.3	2
98	Group 4 Metallocene Catalysts with Hapto-Flexible Cyclopentadienyl-Aryl Ligand. <i>Macromolecular Rapid Communications</i> , 2001 , 22, 339-344	4.8	21
97	Mass spectroscopy analysis during the deposition of a-SiC:H and a-C:H films produced by hot wire and hot wire plasma-assisted techniques. <i>Applied Surface Science</i> , 2001 , 184, 60-65	6.7	5
96	Thin film position sensitive detectors based on pin amorphous silicon carbide structures. <i>Applied Surface Science</i> , 2001 , 184, 443-447	6.7	11
95	Effect of Deposition Conditions upon Gas Sensitivity of Zinc Oxide Thin Films Deposited by Spray Pyrolysis. <i>Solid State Phenomena</i> , 2001 , 80-81, 151-154	0.4	
94	Silicon Films Produced by PECVD under Powder Formation Conditions. <i>Materials Science Forum</i> , 2001 , 382, 21-30	0.4	
93	Large-Area Polycrystalline p-Type Silicon Films Produced by the Hot Wire Technique. <i>Solid State Phenomena</i> , 2001 , 80-81, 47-52	0.4	1
92	Properties Presented by Tin Oxide Thin Films Deposited by Spray Pyrolysis. <i>Solid State Phenomena</i> , 2001 , 80-81, 139-144	0.4	
91	Influence of the Plasma Regime on the Structural, Optical, Electrical and Morphological Properties of a-Si:H Thin Films. <i>Materials Science Forum</i> , 2001 , 382, 11-20	0.4	4
90	Influence of the annealing conditions on the properties of ZnO thin films. <i>Solid State Sciences</i> , 2001 , 3, 1125-1128		53
89	Effect of different dopants on the properties of ZnO thin films. <i>Solid State Sciences</i> , 2001 , 3, 1211-1213		15
88	Influence of the deposition conditions on the gas sensitivity of zinc oxide thin films deposited by spray pyrolysis. <i>Solid State Sciences</i> , 2001 , 3, 1129-1131		43
87	Correlation between the microscopic and macroscopic characteristics of SnO ₂ thin film gas sensors. <i>Solid State Sciences</i> , 2001 , 3, 1349-1351		5
86	Properties of ZnO Thin Films Deposited by Spray Pyrolysis and Magnetron Sputtering. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 685, 1		
85	Thin Film Metal Oxide Semiconductors Deposited on Polymeric Substrates. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 666, 1131		
84	Characterization of Zinc Oxide Thin Films Deposited by rf Magnetron Sputtering on Mylar Substrates. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 666, 3211		
83	Thin film combustible gas sensors based on Zinc Oxide. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 666, 521		2

82	Zinc Oxide Thin Films Deposited by RF Magnetron Sputtering on Mylar Substrates at Room Temperature. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 685, 1		
81	Thin Film Metal Oxide Semiconductors Deposited on Polymeric Substrates. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 685, 1		
80	Performances Presented by Large Area ZnO Thin Films Deposited by Spray Pyrolysis. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 685, 1		
79	Study of the effect of different plasma-enhanced chemical vapour deposition reactor configurations on the properties of hydrogenated amorphous silicon thin films. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 2000 , 80, 765-774		8
78	Performances of an optical ruler based on one-dimensional hydrogenated amorphous Si position-sensitive detectors produced using different metal contacts. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 2000 , 80, 765-774		18
77	Large Area Flexible Amorphous Silicon Position Sensitive Detectors. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 609, 1271		3
76	Two Step Process for the Growth of a Thin Layer of Silicon Dioxide for Tunneling Effect Applications. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 619, 179		
75	Correlation Between Surface/Interface States and the Performance of MIS Structures. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 609, 1211		4
74	Role of the gas temperature and power to gas flow ratio on powder and voids formation in films grown by PECVD technique. <i>Vacuum</i> , 2000 , 56, 25-30	3.7	15
73	Morphological and structural characteristics presented by the Cu ₃ Sn ₂ Ti metallurgical system used in electronic joints. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000 , 288, 248-252	5.3	2
72	Role of soldering parameters on the electrical performances presented by Cu ₃ Sn ₂ Ti joints used in power diodes. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000 , 288, 275-279	5.3	
71	Role of the gas temperature and power to gas flow ratio on powder formation and properties of films grown by the PECVD technique. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2000 , 69-70, 272-277	3.1	5
70	Flexible large area thin film position sensitive detectors. <i>Sensors and Actuators A: Physical</i> , 2000 , 86, 182-186	3.96	11
69	The effects of La on the dielectric properties of lead iron tungstate Pb(Fe _{2/3} W _{1/3})O ₃ relaxor ceramics. <i>Journal of the European Ceramic Society</i> , 2000 , 20, 1035-1041	6	32
68	Plasma diagnostics of a PECVD system using different R.F. electrode configurations. <i>Vacuum</i> , 2000 , 56, 31-37	3.7	8
67	Production of low cost contacts and joins for large area devices by electrodeposition of Cu and Sn. <i>Applied Surface Science</i> , 2000 , 168, 292-295	6.7	4
66	Improvement of a-Si:H device stability and performances by proper design of the interfaces. <i>Journal of Non-Crystalline Solids</i> , 2000 , 266-269, 1094-1098	3.9	3
65	New ultra-light flexible large area thin film position sensitive detector based on amorphous silicon. <i>Journal of Non-Crystalline Solids</i> , 2000 , 266-269, 1213-1217	3.9	16

64	Thin Film Position Sensitive Detectors: From 1D to 3D Applications. <i>Springer Series in Materials Science</i> , 2000 , 342-403	0.9	9
63	Amorphous silicon thin films applied to photochemical sensors. <i>Vacuum</i> , 1999 , 52, 41-44	3.7	2
62	Influence of the doping and annealing atmosphere on zinc oxide thin films deposited by spray pyrolysis. <i>Vacuum</i> , 1999 , 52, 45-49	3.7	66
61	Role of the resistive layer on the performances of 2D a-Si:H thin film position sensitive detectors. <i>Thin Solid Films</i> , 1999 , 337, 158-162	2.2	18
60	Characteristics of a linear array of a-Si:H thin film position sensitive detector. <i>Thin Solid Films</i> , 1999 , 337, 222-225	2.2	7
59	Performances presented by zinc oxide thin films deposited by spray pyrolysis. <i>Thin Solid Films</i> , 1999 , 337, 176-179	2.2	150
58	New metallurgical systems for electronic soldering applications. <i>Sensors and Actuators A: Physical</i> , 1999 , 74, 70-76	3.9	5
57	Performances of a-Si:H films produced by hot wire plasma assisted technique. <i>Vacuum</i> , 1999 , 52, 203-208	3.7	3
56	Photochemical sensors based on amorphous silicon thin films. <i>Sensors and Actuators B: Chemical</i> , 1998 , 46, 202-207	8.5	5
55	Investigation of the amorphous to microcrystalline phase transition of thin film silicon produced by PECVD. <i>Thin Solid Films</i> , 1998 , 317, 144-148	2.2	9
54	Thin films applied to integrated optical position-sensitive detectors. <i>Thin Solid Films</i> , 1998 , 317, 421-424	2.2	2
53	New UV-enhanced solar blind optical sensors based on monocrystalline zinc sulphide. <i>Sensors and Actuators A: Physical</i> , 1998 , 67, 68-71	3.9	18
52	New materials for large-area position-sensitive detectors. <i>Sensors and Actuators A: Physical</i> , 1998 , 68, 244-248	3.9	11
51	Selective optical sensors from 0.25 to 1.1 μm based on metal oxide-semiconductor heterojunctions. <i>Sensors and Actuators A: Physical</i> , 1998 , 68, 333-337	3.9	3
50	Role of the deposition conditions on the properties presented by nanocrystallite silicon films produced by hot wire. <i>Journal of Non-Crystalline Solids</i> , 1998 , 227-230, 901-905	3.9	11
49	Microcrystalline thin metal oxide films for optoelectronic applications. <i>Journal of Non-Crystalline Solids</i> , 1998 , 227-230, 1092-1095	3.9	9
48	Thin oxide interface layers in a-Si:H MIS structures. <i>Journal of Non-Crystalline Solids</i> , 1998 , 227-230, 1230-1234	3.9	8
47	Amorphous silicon sensors: from photo to chemical detection. <i>Journal of Non-Crystalline Solids</i> , 1998 , 227-230, 1349-1353	3.9	6

46	A new high ultraviolet sensitivity FTO-GaP Schottky photodiode fabricated by spray pyrolysis. <i>Semiconductor Science and Technology</i> , 1998 , 13, 102-107	1.8	10
45	Structure, composition and electro-optical properties of n-type amorphous and microcrystalline silicon thin films. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1997 , 76, 249-258		6
44	Role of the deposition parameters in the uniformity of films produced by the plasma-enhanced chemical vapour deposition technique. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1997 , 76, 259-272		6
43	Dependence of amorphous silicon solar cell performances on the lateral drift current. <i>Solar Energy Materials and Solar Cells</i> , 1997 , 45, 1-15	6.4	4
42	Highly conductive and highly transparent n-type microcrystalline silicon thin films. <i>Thin Solid Films</i> , 1997 , 303, 47-52	2.2	25
41	Static and dynamic resolution of 1D thin film position sensitive detector. <i>Journal of Non-Crystalline Solids</i> , 1996 , 198-200, 1202-1206	3.9	5
40	A linear array thin film position sensitive detector for 3D measurements. <i>Journal of Non-Crystalline Solids</i> , 1996 , 198-200, 1212-1216	3.9	3
39	Lateral effects in amorphous silicon photodiodes. <i>Optical Materials</i> , 1996 , 5, 137-144	3.3	2
38	Interpretation of the static and dynamic characteristics of 1-D thin film position sensitive detectors based on a-Si:H p-i-n diodes. <i>IEEE Transactions on Electron Devices</i> , 1996 , 43, 2143-2152	2.9	8
37	Performances presented by large-area thin film position-sensitive detectors based on amorphous silicon. <i>Thin Solid Films</i> , 1996 , 272, 148-156	2.2	1
36	Transport properties of doped silicon oxycarbide microcrystalline films produced by spatial separation techniques. <i>Solar Energy Materials and Solar Cells</i> , 1996 , 41-42, 493-517	6.4	4
35	Role of the collecting resistive layer on the static characteristics of a 1D a-Si:H thin film position sensitive detector. <i>Review of Scientific Instruments</i> , 1996 , 67, 2702-2707	1.7	14
34	Static behaviour of thin-film position-sensitive detectors based on p-i-n a-Si:H devices. <i>Sensors and Actuators A: Physical</i> , 1995 , 51, 143-151	3.9	
33	Large-area 1D thin-film position-sensitive detector with high detection resolution. <i>Sensors and Actuators A: Physical</i> , 1995 , 51, 135-142	3.9	59
32	Lateral photoeffect in large area one-dimensional thin-film position-sensitive detectors based in a-Si:H P-I-N devices. <i>Review of Scientific Instruments</i> , 1995 , 66, 2927-2934	1.7	56
31	Role of oxygen partial pressure on the properties of doped silicon oxycarbide microcrystalline layers produced by spatial separation techniques. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1995 , 13, 2199-2209	2.9	8
30	A linear array position sensitive detector based on amorphous silicon. <i>Review of Scientific Instruments</i> , 1995 , 66, 5317-5321	1.7	2
29	Wide Band Gap Microcrystalline Silicon Thin Films. <i>Solid State Phenomena</i> , 1995 , 44-46, 299-346	0.4	12

28	Dark current-voltage characteristics of transverse asymmetric hydrogenated amorphous silicon diodes. <i>Journal of Applied Physics</i> , 1995 , 78, 3481-3487	2.5	23
27	Linear thin-film position-sensitive detector (LTFPSD) for 3D measurements 1995 ,		4
26	High-detection resolution presented by large-area thin-film position-sensitive detectors 1995 , 2397, 259		11
25	Influence of photodegradation on the band microstructure of pin a-Si:H devices. <i>Vacuum</i> , 1994 , 45, 1109-1111	3.7	
24	Light and temperature effect on pin a-Si: H device performance. <i>Vacuum</i> , 1994 , 45, 1147-1149	3.7	2
23	Application of thin film technology to optical sensors. <i>Vacuum</i> , 1994 , 45, 1151-1154	3.7	1
22	Thin film position sensitive detector based on amorphous silicon p-i diode. <i>Review of Scientific Instruments</i> , 1994 , 65, 3784-3786	1.7	56
21	Role Of Photodegradation on the Product and Microstructure of the a-Si:H Pin Devices. <i>Materials Research Society Symposia Proceedings</i> , 1993 , 297, 637		2
20	Large Area Position Sensitive Detector Based on Amorphous Silicon Technology. <i>Materials Research Society Symposia Proceedings</i> , 1993 , 297, 981		19
19	A-Si:H Ambipolar Diffusion Length and Effective Lifetime Measured by Flying Spot Technique (FST). <i>Materials Research Society Symposia Proceedings</i> , 1991 , 219, 863		
18	A-Si:H ambipolar diffusion length and effective lifetime measured by flying spot (FST) and spectral photovoltage (SPT) techniques. <i>Journal of Non-Crystalline Solids</i> , 1991 , 137-138, 479-482	3.9	8
17	Substrate effect on the electrical properties of a-Si:H thin films and its modification by diffusion-blocking interlayers. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1989 , 7, 2628-2631	2.9	2
16	Hydrogenated thin film silicon semiconductors produced by a two consecutive decomposition and deposition chamber system. <i>Vacuum</i> , 1989 , 39, 789-790	3.7	
15	Electron paramagnetic resonance of defects in doped microcrystalline silicon. <i>Vacuum</i> , 1989 , 39, 791-794.	3.7	
14	Tunneling in vertical $\text{p}^+\text{Si}/\text{a}^-\text{Si}_x\text{CyOz:H}/\text{n}^+\text{Si}$ heterostructures. <i>Journal of Non-Crystalline Solids</i> , 1989 , 115, 120-122	3.9	25
13	Transport in $\text{p}^-\text{Si}_x\text{CyOz:H}$ films prepared by a TCDDC system. <i>Journal of Non-Crystalline Solids</i> , 1989 , 114, 486-488	3.9	14
12	Effects of U.V. light on the transport properties of a-Si: H films during their growth. <i>Journal of Non-Crystalline Solids</i> , 1987 , 97-98, 1399-1402	3.9	13
11			1

10	A facile approach to the synthesis of bilayer hematite films for efficient photocatalytic degradation of methylene blue dye in aqueous solution. <i>International Journal of Environmental Analytical Chemistry</i> ,1-14	1.8	1
9	Laser-Induced Graphene from Paper by Ultraviolet Irradiation: Humidity and Temperature Sensors. <i>Advanced Materials Technologies</i> ,2101311	6.8	6
8	Transparent and flexible ECoG electrode arrays based on silver nanowire networks for neural recordings		1
7	Does impedance matter when recording spikes with polytrodes?		1
6	Enhanced solar photocatalysis of TiO ₂ nanoparticles and nanostructured thin films grown on paper. <i>Nano Express</i> ,	2	5
5	Cellulose: A Contribution for the Zero e-Waste Challenge. <i>Advanced Materials Technologies</i> ,2000994	6.8	22
4	Porous ZnO Nanostructures Synthesized by Microwave Hydrothermal Method for Energy Harvesting Applications		1
3	Handwritten and Sustainable Electronic Logic Circuits with Fully Printed Paper Transistors. <i>Advanced Materials Technologies</i> ,2100633	6.8	3
2	Solar spectral management with electrochromic devices including PMMA films doped with biluminescent ionosilicas. <i>Journal of Sol-Gel Science and Technology</i> ,1	2.3	1
1	A New Ultra-Light Flexible Large Area Thin Film PSD Based on Amorphous Silicon421-427		2