

Ahmed A Al-Ghamdi

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4985581/ahmed-a-al-ghamdi-publications-by-year.pdf>

Version: 2024-04-28

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.

485
papers

17,159
citations

65
h-index

117
g-index

515
ext. papers

20,261
ext. citations

4.1
avg, IF

7.31
L-index

#	Paper	IF	Citations
485	Graphitic carbon nitride (g-C ₃ N ₄) based semiconductor as a beneficial candidate in photocatalysis diversity. <i>International Journal of Hydrogen Energy</i> , 2022 , 47, 5142-5191	6.7	9
484	Optical Properties of Few-Layer TiCN MXene: From Experimental Observations to Theoretical Calculations.. <i>ACS Nano</i> , 2022 ,	16.7	6
483	Recent Advancement of the Current Aspects of g-C N for its Photocatalytic Applications in Sustainable Energy System.. <i>Chemical Record</i> , 2022 , e202100310	6.6	3
482	CdS/polymer S-scheme H ₂ -production photocatalyst and its in-situ irradiated electron transfer mechanism. <i>Chinese Journal of Catalysis</i> , 2022 , 43, 586-588	11.3	6
481	Development of Co _{0.5} Ho _{0.5} Fe ₂ O ₄ /graphene hybrid nanocomposites electrodes for all-solid-state printable micro-supercapacitor on flexible substrates. <i>Journal of Alloys and Compounds</i> , 2022 , 900, 163567	5.7	1
480	Hierarchical Co ₃ O ₄ -NiO hollow dodecahedron-supported Pt for room-temperature catalytic formaldehyde decomposition. <i>Chemical Engineering Journal</i> , 2022 , 430, 132715	14.7	4
479	The dynamic variation of upconversion luminescence dependent on shell Yb ³⁺ contents in NaYF ₄ : Yb ³⁺ , Tm ³⁺ @NaYF ₄ : Yb ³⁺ , Er ³⁺ nanoparticles. <i>Journal of Alloys and Compounds</i> , 2022 , 891, 162067	5.7	2
478	Novel heating- and deformation-induced phase transitions and mechanical properties for multicomponent Zr ₅₀ M ₅₀ , Zr ₅₀ (M,Ag) ₅₀ and Zr ₅₀ (M,Pd) ₅₀ (M=Fe,Co,Ni,Cu) amorphous alloys. <i>Journal of Materials Science and Technology</i> , 2022 , 104, 109-118	9.1	0
477	The photovoltaic application and optics of ZnO/dO and ZnO/NiO nanocomposite binary system 2022 , 207190		0
476	State of the art advancement in rational design of g-C ₃ N ₄ photocatalyst for efficient solar fuel transformation, environmental decontamination and future perspectives. <i>International Journal of Hydrogen Energy</i> , 2022 , 47, 10837-10867	6.7	4
475	Design principle of S-scheme heterojunction photocatalyst. <i>Journal of Materials Science and Technology</i> , 2022 ,	9.1	14
474	Photodiode performance and infrared light sensing capabilities of quaternary Cu ₂ ZnSnS ₄ chalcogenide. <i>Surfaces and Interfaces</i> , 2022 , 29, 101802	4.1	0
473	Drain-induced barrier lowering effect in organic thin-film transistors based on various organic small molecules: Channel length and drain voltage influences. <i>Synthetic Metals</i> , 2022 , 287, 117066	3.6	1
472	Enhanced Antifungal and Wound Healing Efficacy of Statistically Optimized, Physicochemically Evaluated Econazole-Triamcinolone Loaded Silica Nanoparticles.. <i>Frontiers in Chemistry</i> , 2022 , 10, 836678	5	0
471	Electrical, photoconductive, and photovoltaic characteristics of a Bi ₂ Se ₃ 3D topological insulator based metal-insulator-semiconductor diode. <i>Sensors and Actuators A: Physical</i> , 2022 , 341, 113575	3.9	0
470	S-Scheme 2D/2D Bi ₂ MoO ₆ /BiOI van der Waals heterojunction for CO ₂ photoreduction. <i>Chinese Journal of Catalysis</i> , 2022 , 43, 1657-1666	11.3	0
469	Dual Penta-Compound Combination Anti-Synchronization with Analysis and Application to a Novel Fractional Chaotic System. <i>Fractal and Fractional</i> , 2021 , 5, 264	3	2

468	Graphene and Carbon Nanotubes Fibrous Composite Decorated with PdMg Alloy Nanoparticles with Enhanced Absorption-Desorption Kinetics for Hydrogen Storage Application. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
467	Facile Synthesis of Iron-Based MOFs MIL-100(Fe) as Heterogeneous Catalyst in Kabachnick Reaction. <i>Catalysts</i> , 2021 , 11, 1451	4	0
466	Nanostructure Engineering via Intramolecular Construction of Carbon Nitride as Efficient Photocatalyst for CO Reduction.. <i>Nanomaterials</i> , 2021 , 11,	5.4	7
465	Enhanced Solar Photocatalytic Reduction of Cr(VI) Using a (ZnO/CuO) Nanocomposite Grafted onto a Polyester Membrane for Wastewater Treatment. <i>Polymers</i> , 2021 , 13,	4.5	3
464	Molecular Dynamics and Energy Transfer in Pure Aniline and Rh101+/Aniline Mixed Solution Measured by Ultrafast Spectroscopy. <i>ChemistrySelect</i> , 2021 , 6, 10998-11001	1.8	
463	Contact resistance corrected-electrical characteristics with channel length effects in π -conjugated small-molecule benzenanthracene organic thin film transistors. <i>Synthetic Metals</i> , 2021 , 273, 116670	3.6	6
462	Engine performance and emission characteristics of palm biodiesel blends with graphene oxide nanoplatelets and dimethyl carbonate additives. <i>Journal of Environmental Management</i> , 2021 , 282, 111917	7.9	49
461	Using chaos indicators to determine vaccine influence on epidemic stabilization. <i>Physical Review E</i> , 2021 , 103, 032212	2.4	1
460	Collective effect of ternary nano fuel blends on the diesel engine performance and emissions characteristics. <i>Fuel</i> , 2021 , 293, 120420	7.1	34
459	Eco-friendly synthesis of reduced graphene oxide as sustainable photocatalyst for removal of hazardous organic dyes. <i>Journal of King Saud University - Science</i> , 2021 , 33, 101438	3.6	5
458	Digital printing of a novel electrode for stable flexible organic solar cells with a power conversion efficiency of 8.5. <i>Scientific Reports</i> , 2021 , 11, 14212	4.9	3
457	Natural rubber composites containing low and high dielectric constant fillers and their application as substrates for compact flexible antennas. <i>Polymers and Polymer Composites</i> , 2021 , 29, 233-245	0.8	1
456	A new heterojunction in photocatalysis: S-scheme heterojunction. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 667-669	11.3	115
455	Synthesis of reduced graphene oxide supported nickel-cobalt-layered double hydroxide nanosheets for supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2021 , 588, 637-645	9.3	68
454	The photo-electrical performance of the novel CuAlMnFe shape memory alloy film in the diode application. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021 , 264, 114931	3.1	6
453	Design of highly-active photocatalytic materials for solar fuel production. <i>Chemical Engineering Journal</i> , 2021 , 421, 127732	14.7	10
452	Significant capacitance enhancement induced by cyclic voltammetry in pine needle-like Ni-Co-Cu multicomponent electrode. <i>Journal of Materials Science and Technology</i> , 2021 , 78, 100-109	9.1	7
451	Structural, morphological and optical behavior of In _{1-x} Hf _x P films synthesized via 2,3-di(tetradecanoyloxy)propyl tetradecanoate assisted sol-gel technique for infrared photodiode applications. <i>Optics and Laser Technology</i> , 2021 , 134, 106625	4.2	17

450	Flexible polymer/fabric fractal monopole antenna for wideband applications. <i>IET Microwaves, Antennas and Propagation</i> , 2021 , 15, 80-92	1.6	2
449	Development of multicolor In1-xIrxP nanophotonic QDs (0 ≤ x ≤ 0.09) using 1,2,3-tritetradecanoylglycerol assisted solvothermal approach for light emitting devices. <i>Optik</i> , 2021 , 226, 165652	2.5	2
448	A New Benchmark of Charges Storage in Single-Layer Organic Light-Emitting Diodes Based on Electrical and Optical Characteristics. <i>Molecules</i> , 2021 , 26,	4.8	2
447	Design of a flexible waterproof antenna for Internet of Things applications. <i>Journal of Electromagnetic Waves and Applications</i> , 2021 , 35, 874-887	1.3	1
446	The recombination zone adjusted by the gradient doping of TPA-DCPP for efficient and stable deep red organic light emitting diodes.. <i>RSC Advances</i> , 2021 , 11, 24436-24442	3.7	1
445	Silver Nanowires Digital Printing for Inverted Flexible Semi-Transparent Solar Cells. <i>Advanced Engineering Materials</i> , 2021 , 23, 2001305	3.5	8
444	Effect of the Active Layer Thickness of Pentacene Thin Film Transistor; Illumination Effect. <i>Journal of Electronic Materials</i> , 2021 , 50, 5701-5712	1.9	
443	Enhancement in the photocatalytic H2 production activity of CdS NRs by Ag2S and NiS dual cocatalysts. <i>Applied Catalysis B: Environmental</i> , 2021 , 288, 119994	21.8	73
442	Photocatalytic antibacterial and osteoinductivity. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 1051-1053	11.3	2
441	Dye sensitized solar cell-based optoelectronic device using novel [Ru(L1)(L2)(NCS)2] complex. <i>Journal of Molecular Structure</i> , 2021 , 1238, 130464	3.4	3
440	Effect of low-dose doping of small-molecules on the surface potential and carrier balance of TADF OLEDs. <i>Synthetic Metals</i> , 2021 , 279, 116856	3.6	
439	Enhanced performance of CH3NH3PbI3 perovskite solar cells by excess halide modification. <i>Applied Surface Science</i> , 2021 , 564, 150464	6.7	8
438	Synthesis of Ti3C2Tx MXene with controllable fluorination by electrochemical etching for lithium-ion batteries applications. <i>Ceramics International</i> , 2021 , 47, 28642-28649	5.1	8
437	MXene-based mixed-dimensional Schottky heterojunction towards self-powered flexible high-performance photodetector. <i>Materials Today Physics</i> , 2021 , 21, 100479	8	4
436	2D materials for bone therapy. <i>Advanced Drug Delivery Reviews</i> , 2021 , 178, 113970	18.5	3
435	Zinc oxide based 3-components semiconductor oxide photodiodes by dynamic spin coating method. <i>Materials Science in Semiconductor Processing</i> , 2021 , 134, 106034	4.3	5
434	From phosphorus to phosphorene: Applications in disease theranostics. <i>Coordination Chemistry Reviews</i> , 2021 , 446, 214110	23.2	19
433	Electrical, kinetic and photoelectrical properties of CuAlMnMg shape memory alloy/n-Si Schottky diode. <i>Journal of Alloys and Compounds</i> , 2021 , 888, 161600	5.7	4

432	Advanced opportunities and insights on the influence of nitrogen incorporation on the physico-/electro-chemical properties of robust electrocatalysts for electrocatalytic energy conversion. <i>Coordination Chemistry Reviews</i> , 2021 , 449, 214209	23.2	7
431	Optoelectronic investigation of Cu ₂ FeSnS ₄ quaternary functional photodiodes with IR detection capabilities. <i>Journal of Molecular Structure</i> , 2021 , 1246, 131265	3.4	1
430	Structure and composition characterization of biocomposites filled with sol-gel bioglasses from the CaO/Bi ₂ O ₃ /P ₂ O ₅ /Ag ₂ O systems. <i>Journal of Rubber Research (Kuala Lumpur, Malaysia)</i> , 2021 , 24, 77-92	0.9	
429	Tailoring the ultrafast and nonlinear photonics of MXenes through elemental replacement. <i>Nanoscale</i> , 2021 , 13, 15891-15898	7.7	3
428	An Implicit Numerical Approach for 2D Rayleigh Stokes Problem for a Heated Generalized Second Grade Fluid with Fractional Derivative. <i>Fractal and Fractional</i> , 2021 , 5, 283	3	0
427	Hydrothermally Assisted Synthesis of Porous Polyaniline@Carbon Nanotubes-Manganese Dioxide Ternary Composite for Potential Application in Supercapattery. <i>Polymers</i> , 2020 , 12,	4.5	8
426	Synthesis and optical properties of Cd _{1-x} Nd _x Se (0 ≤ x ≤ 0.09) nanocrystalline quantum dots prepared via 6-mercaptopurine assisted wet chemical route for optoelectronic devices. <i>Optik</i> , 2020 , 216, 164813	2.5	2
425	CsPbBr ₃ @CsPbBr ₃ /Cl Perovskite Core-Shell Heterojunction Nanowires via a Postsynthetic Method with HCl Gas. <i>ACS Omega</i> , 2020 , 5, 11578-11584	3.9	5
424	Analysis and comparison of total resistance models for accurate static modeling of long- and short-channel OTFTs produced with various organic materials. <i>Chinese Journal of Physics</i> , 2020 , 67, 180-192	3.5	2
423	The charge transport mechanism of a photodiode made of silver sulfide quantum dots decorated graphene for selective detection of blue light. <i>Optik</i> , 2020 , 205, 164264	2.5	2
422	Development of a new family of spinel nano-ceramic ferrites based on Ni _{1-x} HoxFe ₂ O ₄ (0 ≤ x ≤ 0.07) via a 1,4-dithioerythritol assisted polyol technique. <i>Materials Letters</i> , 2020 , 269, 127677	3.3	31
421	Modifying the Crystal Field of CsPbCl ₃ :Mn Nanocrystals by Co-doping to Enhance Its Red Emission by a Hundredfold. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 30711-30719	9.5	17
420	Natural rubber composites containing fillers of sol-gel glasses and glass-ceramics in the CaO/Bi ₂ O ₃ /P ₂ O ₅ system. <i>Iranian Polymer Journal (English Edition)</i> , 2020 , 29, 799-810	2.3	
419	A flexible broadband antenna for IoT applications. <i>International Journal of Microwave and Wireless Technologies</i> , 2020 , 12, 531-540	0.8	5
418	With PBDB-T as the Donor, the PCE of Non-Fullerene Organic Solar Cells Based on Small Molecule INTIC Increased by 52.4. <i>Materials</i> , 2020 , 13,	3.5	5
417	Enhancing the stability and water resistance of CsPbBr ₃ perovskite nanocrystals by using tetrafluoride and zinc oxide as protective capsules. <i>Journal of Materials Science</i> , 2020 , 55, 9739-9747	4.3	5
416	Optical Capacitance/Conductance-Voltage Characteristics of Stored Charges in Organic Light-Emitting Diodes. <i>Molecules</i> , 2020 , 25,	4.8	1
415	Development of lasing QD nanostructures with highly luminescent emission spectra based on In _{1-x} ScxP QDs prepared via tetradecanoic acid assisted wet chemical route for laser diode applications. <i>Optik</i> , 2020 , 208, 164523	2.5	

414	Investigation of electrical properties of organophosphazene layer based photodiode. <i>Chemical Physics</i> , 2020 , 538, 110897	2.3	8
413	The impact of light photons on silver nanophotonic crystals synthesized via ascorbic acid assisted colloidal approach. <i>Optik</i> , 2020 , 207, 164381	2.5	
412	A Temperature Sensor Based on Al/p-Si/CuCdO ₂ /Al Diode for Low Temperature Applications. <i>Journal of Electronic Materials</i> , 2020 , 49, 2317-2325	1.9	4
411	NiFe-LDH nanosheet/carbon fiber nanocomposite with enhanced anionic dye adsorption performance. <i>Applied Surface Science</i> , 2020 , 511, 145570	6.7	66
410	Silver sulfide nanoparticles incorporated into graphene oxide: an efficient electrocatalyst for the oxygen reduction reaction. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 8127-8135	2.1	3
409	One pot synthesis of highly luminescent Cd _{1-x} Os _x Te (0 ≤ x ≤ 0.1) nanocrystals synthesized via poly(9,9-dioctylfluorene-alt-benzothiadiazole) assisted polyol approach. <i>Optik</i> , 2020 , 208, 164524	2.5	
408	Rubber-ceramic composites applicable in flexible antennas. <i>Journal of Polymer Engineering</i> , 2020 , 40, 666-675	1.4	
407	S-scheme Heterojunction Photocatalyst for CO ₂ Photoreduction. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2020 , 2010024-0	3.8	6
406	The optical and luminescence properties of Zn _{1-x} GdxO (0 ≤ x ≤ 0.07) quantum dots synthesized via tetraethyl orthosilicate assisted colloidal regime for laser diodes application potential. <i>Optik</i> , 2020 , 206, 163748	2.5	1
405	Light interaction with the copper nanocrystals with various sizes prepared via portulaca oleracea assisted polyol technique. <i>Optik</i> , 2020 , 203, 163901	2.5	1
404	Natural rubber based composites filled with bioglasses from a CaO-SiO ₂ -P ₂ O ₅ -Ag ₂ O system. Effect of Ag ₂ O concentration in the filler on composite properties. <i>Polymers for Advanced Technologies</i> , 2020 , 31, 574-588	3.2	2
403	Dopant-induced photoresponsivity in coumarin-dye-sensitized nanowire NiO/p-Si heterojunction. <i>Materials Science in Semiconductor Processing</i> , 2020 , 106, 104784	4.3	4
402	Synthesis, optical and luminescence behavior of Zn _{1-x} PaxTe (0 ≤ x ≤ 0.09) ceramics prepared via poly[(9,9-bis(3-(N,N-dimethylamino)propyl)-2,7-fluorene)-alt-2,7-(9,9-dioctylfluorene)] assisted microwave approach. <i>Optik</i> , 2020 , 202, 163703	2.5	1
401	Graphene-Zn _{0.5} Cd _{0.5} S nanocomposite with enhanced visible-light photocatalytic CO ₂ reduction activity. <i>Applied Surface Science</i> , 2020 , 506, 144683	6.7	33
400	The optical performance of Cd _{1-x} TmxTe (0 ≤ x ≤ 0.07) QDs synthesized via s,s'-phenylenebis-ethynediyl-phenylene-bisthioacetate assisted microwave approach for laser devices. <i>Optik</i> , 2020 , 220, 164814	2.5	
399	ACC_TEST: Hybrid Testing Approach for OpenACC-Based Programs. <i>IEEE Access</i> , 2020 , 8, 80358-80368	3.5	1
398	Synthesis and optical characterization of multi-emission Ni _x Yb _{1-x} O photonic semiconducting quantum dots prepared using hydrothermal approach for nano-optical colored amplifiers and light emitting diodes. <i>Optik</i> , 2020 , 208, 164541	2.5	1
397	The luminescence behavior of Zn _{1-x} TaxO nanophotonic crystals prepared via Di-N-(2-hydroxyethyl)oleylamin assisted microwave approach. <i>Optik</i> , 2020 , 212, 164719	2.5	

396	Illumination impact on the electrical characteristics of Au/Sunset Yellow/n-Si/Au hybrid Schottky diode. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 14665-14673	2.1	14
395	Characterization and study of CdS quantum dots solar cells based on Graphene-TiO ₂ nanocomposite photoanode. <i>Results in Physics</i> , 2020 , 18, 103253	3.7	5
394	Studies of the Dirac Point in a GO/P3HT Nanocomposite Thin-Film Phototransistor. <i>Journal of Electronic Materials</i> , 2020 , 49, 5808-5815	1.9	
393	A Flexible Multiband Antenna for Biomedical Telemetry. <i>IETE Journal of Research</i> , 2020 , 1-14	0.9	0
392	Investigation on light-induced storage of charges with capacitance/conductance-voltage and its frequency characteristics. <i>Organic Electronics</i> , 2020 , 76, 105425	3.5	5
391	Photoresponsivity and photodetectivity properties of copper complex-based photodiode. <i>Journal of Molecular Structure</i> , 2020 , 1200, 127062	3.4	11
390	Evaluation of the optical absorption/emission spectral behavior of the Cd _{1-x} Dy _x Se quantum dots synthesized via cation exchange approach. <i>Optik</i> , 2020 , 208, 164519	2.5	
389	Evaluation of the structure, optical and electronic properties of Zn _{1-x} Ru _x O thin films via mercaptopurine modified sol-gel spin coating approach. <i>Superlattices and Microstructures</i> , 2019 , 128, 105-115	2.8	1
388	The structure, optical absorption and luminescence properties of the Zn _{1-x} Th _x Se quantum dots prepared via mercaptoethanol assisted colloidal approach. <i>Optik</i> , 2019 , 193, 162984	2.5	
387	Electrical, mechanical and dynamic properties of ternary composites from acrylonitrile butadiene rubber and conductive fillers. <i>Bulletin of Materials Science</i> , 2019 , 42, 1	1.7	1
386	High quantum yield Cu doped CdSe quantum dots. <i>Materials Research Express</i> , 2019 , 6, 0850d4	1.7	4
385	Photosensing properties of ruthenium(II) complex-based photodiode. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1	2.6	9
384	Metallo-Phthalocyanines Based Photocapacitors. <i>Silicon</i> , 2019 , 11, 1275-1286	2.4	2
383	Synthesis and characterization of Zn _{1-x} AcxS (0 ≤ x ≤ 1) nanocrystalline quantum dots prepared via soft mechanochemical approach. <i>Ceramics International</i> , 2019 , 45, 20929-20935	5.1	1
382	Hysteresis control by varying Ta ₂ O ₅ -nanoparticles concentration in PMMA-Ta ₂ O ₅ bilayer gate dielectric of hybrid-organic thin film transistors. <i>Organic Electronics</i> , 2019 , 75, 105390	3.5	5
381	Miniaturized Wearable Antennas with Improved Radiation Efficiency Using Magneto-dielectric Composites. <i>IETE Journal of Research</i> , 2019 , 1-11	0.9	5
380	Thermal annealing and channel composition influences on the electrical properties of transparent-TFTs based on Zn-In-SnO ternary compound: Experiment and modeling. <i>Chinese Journal of Physics</i> , 2019 , 62, 358-367	3.5	0
379	Quenching induced hierarchical 3D porous g-CN with enhanced photocatalytic CO reduction activity. <i>Chemical Communications</i> , 2019 , 55, 14023-14026	5.8	56

- 378 Ultra-Violet Electroluminescence of ZnO Nanorods/MEH-PPV Heterojunctions by Optimizing Their Thickness and Using AZO as a Transparent Conductive Electrode. *Materials*, **2019**, 12, 3-5 4
- 377 Synthesis and characterization of p-type transparent conducting Ni_{1-x}Ru_xO (0 ≤ x ≤ 1) films prepared by pulsed laser deposition. *Ceramics International*, **2019**, 45, 7984-7994 5-1 48
- 376 Hierarchical C/NiO-ZnO nanocomposite fibers with enhanced adsorption capacity for Congo red. *Journal of Colloid and Interface Science*, **2019**, 537, 736-745 9-3 94
- 375 Silicon based photodetector with Ru(II) complexes organic interlayer. *Materials Science in Semiconductor Processing*, **2019**, 91, 422-430 4-3 22
- 374 The optoelectronic properties of c-oriented surface patterned Zn_{1-x}Cr_xO thin films developed via trifluoroacetic acid assisted solvothermal approach for selective blue light photodiode. *Optics and Laser Technology*, **2019**, 111, 515-522 4-2
- 373 Adsorption of CO₂, O₂, NO and CO on s-triazine-based g-C₃N₄ surface. *Catalysis Today*, **2019**, 335, 117-123 37 37
- 372 Pt/C@MnO₂ composite hierarchical hollow microspheres for catalytic formaldehyde decomposition at room temperature. *Applied Surface Science*, **2019**, 466, 301-308 6-7 57
- 371 Synthesis and characterization of surface patterned nanoimprinted in_{1-x}Cr_xP/P(VDF-TrFE) nanocomposite films for solar cell application potential. *Polymer Composites*, **2019**, 40, E136 3 1
- 370 A shape memory alloy based on photodiode for optoelectronic applications. *Journal of Alloys and Compounds*, **2018**, 743, 227-233 5-7 10
- 369 Graphene Oxide/Poly(3-hexylthiophene) Nanocomposite Thin-Film Phototransistor for Logic Circuit Applications. *Journal of Electronic Materials*, **2018**, 47, 2461-2467 1-9 10
- 368 Bismuth Borate Glass Based Nuclear Materials. *Silicon*, **2018**, 10, 1195-1201 2-4 7
- 367 The optoelectronic properties of developed p-n junction on the textured silicon surface for improving the solar cell performance. *Optik*, **2018**, 156, 778-783 2-5 1
- 366 Ti doped amorphous carbon (Al/Ti-a:C/p-Si/Al) photodiodes for optoelectronic applications. *Journal of Molecular Structure*, **2018**, 1155, 813-818 3-4 24
- 365 Evaluation of the charge carriers transportation through the grown MgFe₂O₄ on the nanotextured silicon surface in the presence of hydrogen gases. *Optik*, **2018**, 158, 923-932 2-5 1
- 364 Optoelectrical properties of Al/p-Si/Fe:N doped ZnO/Al diodes. *Thin Solid Films*, **2018**, 653, 236-248 2-2 17
- 363 A Functional Material Based Heterojunction Diode. *Silicon*, **2018**, 10, 737-746 2-4 1
- 362 Structural, Electrical and Photoresponse Properties of Si-based Diode with Organic Interfacial Layer Containing Novel Cyclotriphosphazene Compound. *Silicon*, **2018**, 10, 683-691 2-4 13
- 361 Microwave properties of natural rubber based composites containing carbon black-magnetite hybrid fillers. *Science and Engineering of Composite Materials*, **2018**, 25, 611-620 1-5 1

360	High Photoresponsivity Ru-doped ZnO/p-Si Heterojunction Diodes by the Sol-gel Method. <i>Silicon</i> , 2018 , 10, 651-658	2.4	24
359	Optical, Electrical and Photoresponse Properties of Si-based Diodes with NiO-doped TiO ₂ Film Prepared by Sol-gel Method. <i>Silicon</i> , 2018 , 10, 913-920	2.4	13
358	Ruthenium(II) Complex Based Photodiode for Organic Electronic Applications. <i>Journal of Electronic Materials</i> , 2018 , 47, 828-833	1.9	30
357	Enhanced Visible Light Photo-Catalytic Activity of ZnO and Ag-Doped ZnO (ZnO:Ag) Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 7682-7690	1.3	5
356	Photodiode based on Pb _{0.9} Cd _{0.1} S ternary alloy semiconductor for solar tracking systems. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 16880-16893	2.1	7
355	The effect of synthetic parameters on the structure and luminescence properties of Zn _{1-x} W _x S quantum dots prepared via 2,2'-(Octadec-9-enylimino)bisethanol assisted microwave technique. <i>Optik</i> , 2018 , 171, 768-775	2.5	
354	Design and performance analysis of dual-band wearable compact low-profile antenna for body-centric wireless communications. <i>International Journal of Microwave and Wireless Technologies</i> , 2018 , 10, 1175-1185	0.8	19
353	Investigating the coumarin capability in chalcogenide 20TlSe-80PrSe system based photovoltaics. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 202, 123-130	4.4	1
352	Boron doped graphene based linear dynamic range photodiode. <i>Physica B: Condensed Matter</i> , 2018 , 545, 86-93	2.8	14
351	Electronic and optoelectronic properties of Al/coumarin doped Pr ₂ Se ₃ /I ₂ Se/p-Si devices. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 12561-12572	2.1	20
350	Dielectric analysis of polypropylene (PP) and polylactic acid (PLA) blends reinforced with halloysite nanotubes. <i>Journal of Thermoplastic Composite Materials</i> , 2018 , 31, 1042-1053	1.9	10
349	Magnetic Drug Delivery: Where the Field Is Going. <i>Frontiers in Chemistry</i> , 2018 , 6, 619	5	143
348	Facile Synthesis of Ternary Alloy of CdSeS Quantum Dots with Tunable Absorption and Emission of Visible Light. <i>Nanomaterials</i> , 2018 , 8,	5.4	4
347	Structure, magnetic and optical behaviors of Zn _{1-x} CoxO (0.01 ≤ x ≤ 0.09) films developed by DMP modified sol-gel spin-coating technique. <i>Superlattices and Microstructures</i> , 2018 , 124, 192-200	2.8	
346	Characterization of Si quantum dots synthesized at various operating pressures for photovoltaic application. <i>Materials Research Express</i> , 2018 , 5, 125024	1.7	2
345	Effect of Cadmium Source on the Structure and Optical Properties of CdTe Quantum Dots. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 7749-7757	1.3	
344	Effect of calcination and carbon incorporation on NiO nanowires for photodiode performance. <i>Microelectronic Engineering</i> , 2018 , 202, 51-59	2.5	15
343	Investigation on the Influence of Various Kinds of Soaps on the Mechanical Properties of Silica Filled Composites Based on Natural Rubber. <i>Polymers and Polymer Composites</i> , 2018 , 26, 325-334	0.8	

342	Cadmium Oxide: Titanium Dioxide Composite Based Photosensitive Diode. <i>Journal of Electronic Materials</i> , 2018 , 47, 7159-7169	1.9	17
341	Direct Z-scheme photocatalysts: Principles, synthesis, and applications. <i>Materials Today</i> , 2018 , 21, 1042-1063	1.63	737
340	The effect of automatic assessment on novice programming: Strengths and limitations of existing systems. <i>Computer Applications in Engineering Education</i> , 2018 , 26, 2328-2341	1.6	15
339	Characterization of hybrid fillers based on carbon black of different types obtained by impregnation. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2017 , 231, 584-599	1.3	2
338	Hybrid composite polymer electrolytes: ionic liquids as a magic bullet for the poly(ethylene glycol) silica network. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 3493-3502	1.3	72
337	Organic semiconductor photosensors. <i>Journal of Alloys and Compounds</i> , 2017 , 702, 520-530	5.7	31
336	Heterojunction Photocatalysts. <i>Advanced Materials</i> , 2017 , 29, 1601694	2.4	2003
335	Li induced enhancement in c-axis orientation and its effect on structural, optical, and electrical properties of ZnO thin films. <i>Materials Research Express</i> , 2017 , 4, 026405	1.7	4
334	Selective and uniform growth of single-wall carbon nanotubes (SWCNTs) for gas sensing application. <i>Applied Physics A: Materials Science and Processing</i> , 2017 , 123, 1	2.6	
333	Composite CuFeSnO/p-type silicon photodiodes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 180, 110-118	4.4	13
332	Effect of mechanochemical synthesis on the structure, magnetic and optical behavior of Ni _{1-x} Zn _x Fe ₂ O ₄ spinel ferrites. <i>Ceramics International</i> , 2017 , 43, 6192-6200	5.1	27
331	Microwave-assisted hydrothermal synthesis of monoclinic bismuth trioxide nanorods: optical and photocatalytic properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 8684-8693	2.1	5
330	Evolution of the structure, magnetic and optical properties of Ni _{1-x} Cu _x Fe ₂ O ₄ spinel ferrites prepared by soft mechanochemical method. <i>Journal of Alloys and Compounds</i> , 2017 , 712, 82-89	5.7	20
329	The validity of Kohlrausch law for the photocurrent transient and the role of N ₂ /Ar flow ratio in photoconductivity of sputtered CoZnO. <i>Journal of Alloys and Compounds</i> , 2017 , 712, 152-163	5.7	8
328	A Review of Direct Z-Scheme Photocatalysts. <i>Small Methods</i> , 2017 , 1, 1700080	12.8	663
327	Structure, morphology and Raman and optical spectroscopic analysis of In _{1-x} Cu _x P thin films grown by MOCVD technique for solar cell applications. <i>Optics and Laser Technology</i> , 2017 , 95, 29-35	4.2	2
326	Heteroleptic neutral Ru(II) complexes based photodiodes. <i>Physica B: Condensed Matter</i> , 2017 , 516, 7-13	2.8	13
325	Characterization and Modeling of Nano-organic Thin Film Phototransistors Based on 6,13-(Triisopropylsilyl)ethynyl)-Pentacene: Photovoltaic Effect. <i>Journal of Electronic Materials</i> , 2017 , 46, 2221-2231	1.9	2

324	Flexible and small wearable antenna for wireless body area network applications. <i>Journal of Electromagnetic Waves and Applications</i> , 2017 , 31, 1063-1082	1.3	24
323	Frequency and electric field controllable photodevice: FYTRONIX device. <i>Physica B: Condensed Matter</i> , 2017 , 519, 53-58	2.8	15
322	Synthesis and characterization of novel Cu ₂ O/PVDF nanocomposites for flexible ferroelectric organic electronic memory devices. <i>Current Applied Physics</i> , 2017 , 17, 1181-1188	2.6	16
321	A functional material based photodiode for solar tracking systems. <i>Physica B: Condensed Matter</i> , 2017 , 520, 76-81	2.8	17
320	The influence of sintering temperature on the structure, optical and magnetic properties of Yttrium iron oxide YFeO ₃ prepared via L-alanine assisted combustion method. <i>Ceramics International</i> , 2017 , 43, 8133-8138	5.1	9
319	Design and fabrication of dioxyphenylcoumarin substituted cyclotriphosphazene compounds photodiodes. <i>Physica B: Condensed Matter</i> , 2017 , 515, 8-17	2.8	12
318	Structural and optical properties of CdZnTe quantum dots capped with a bifunctional Molecule. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 9114-9125	2.1	5
317	Evaluation of the spectroscopic ellipsometry and dielectric properties of Cr ₂ O ₃ nanoparticles doped PVDF thin films for future application of organic ferroelectric junctions. <i>Optik</i> , 2017 , 138, 207-213	2.5	4
316	Enhancing antenna performance and SAR reduction by a conductive composite loaded with carbon-silica hybrid filler. <i>AEU - International Journal of Electronics and Communications</i> , 2017 , 72, 184-191	2.8	13
315	Field Effect Transistor Using Carbon Nanotubes and DNA as Electrical Gate. <i>Brazilian Journal of Physics</i> , 2017 , 47, 34-41	1.2	4
314	A photodiode based on PbS nanocrystallites for FYTRONIX solar panel automatic tracking controller. <i>Physica B: Condensed Matter</i> , 2017 , 527, 44-51	2.8	17
313	Numerical studies of surface potential, mobility and Seebeck coefficient of organic thin film transistor based on 2,3 benzanthracene: Light effect. <i>Synthetic Metals</i> , 2017 , 233, 119-126	3.6	4
312	Detecting Spatially Localized Exciton in Self-Organized InAs/InGaAs Quantum Dot Superlattices: a Way to Improve the Photovoltaic Efficiency. <i>Nanoscale Research Letters</i> , 2017 , 12, 450	5	11
311	Effect of Silica Phase on Certain Properties of Natural Rubber Based Composites Reinforced by Carbon Black/Silica Hybrid Fillers. <i>Progress in Rubber, Plastics and Recycling Technology</i> , 2017 , 33, 221-242	1.7	2
310	Insecticidal effects of pure and silver-doped copper oxide nanosheets on <i>Spodoptera littoralis</i> (Lepidoptera: Noctuidae). <i>Canadian Entomologist</i> , 2017 , 149, 677-690	0.7	4
309	Dye based photodiodes for solar energy applications. <i>Applied Physics A: Materials Science and Processing</i> , 2017 , 123, 1	2.6	10
308	Control of In _{1-x} Cr _x P (0 ≤ x ≤ 0.09) quantum dot characteristics and luminescence properties via Cr incorporation. <i>Optik</i> , 2017 , 149, 261-269	2.5	
307	Field emission studies of CNTs/ZnO nanostructured thin films for display devices. <i>Physica B: Condensed Matter</i> , 2017 , 521, 312-316	2.8	11

306	Analysis of the electrical and magnetic properties of elastomeric composites and their applicability in small flexible wearable antennas. <i>Materials Research Express</i> , 2017 , 4, 076304	1.7	3
305	On-body investigation of a compact planar antenna on multilayer polymer composite for body-centric wireless communications. <i>AEU - International Journal of Electronics and Communications</i> , 2017 , 82, 20-29	2.8	30
304	Synthesis of ZnO nanostructures via low temperature solution process for photocatalytic degradation of rhodamine B dye. <i>Materials Letters</i> , 2017 , 204, 12-15	3.3	35
303	Analysis of photoconductive mechanisms of organic-on-inorganic photodiodes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017 , 93, 284-290	3	7
302	The role of Al, Ba, and Cd dopant elements in tailoring the properties of c-axis oriented ZnO thin films. <i>Physica B: Condensed Matter</i> , 2017 , 506, 83-93	2.8	9
301	Optical properties of nanostructured ruthenium dioxide thin films via sol-gel approach. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 52-59	2.1	9
300	A FLEXIBLE PLANAR ANTENNA ON MULTILAYER RUBBER COMPOSITE FOR WEARABLE DEVICES. <i>Progress in Electromagnetics Research C</i> , 2017 , 75, 31-42	0.9	7
299	Negative Capacitance and Photocapacitance Properties of CdS Quantum Dots Based Graphene Oxide:TiO ₂ Nanocomposite Solar Cell. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2017 , 12, 260-266 ¹⁻³		2
298	Effect of Activated Carbons on the Dielectric and Microwave Properties of Natural Rubber Based Composites. <i>Materials Research</i> , 2017 , 20, 1211-1220	1.5	2
297	Effect of carbon-silica dual phase filler obtained by impregnation method on the properties of SBR-based composites. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2016 , 230, 116-120	1.3	1
296	Low leakage current of CdSe quantum dots/Si composite structure and its performance for photodiode and solar cell. <i>Ceramics International</i> , 2016 , 42, 14949-14955	5.1	5
295	Microwave properties of natural rubber based composites comprising conductive carbon black/silica hybrid fillers. <i>Journal of Polymer Research</i> , 2016 , 23, 1	2.7	5
294	A new shape memory alloy film/p-Si solar light four quadrant detector for solar tracking applications. <i>Journal of Alloys and Compounds</i> , 2016 , 688, 762-768	5.7	25
293	Graphene in Photocatalysis: A Review. <i>Small</i> , 2016 , 12, 6640-6696	11	605
292	Influence of bis(triethoxysilylpropyl) tetrasulfide amount on the properties of silica-filled epoxidized natural rubber-based composites. <i>Science and Engineering of Composite Materials</i> , 2016 , 23, 357-362	1.5	
291	Dielectric and microwave properties of elastomer composites loaded with carbon-silica hybrid fillers. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	6
290	Conductive carbon black/magnetite hybrid fillers in microwave absorbing composites based on natural rubber. <i>Composites Part B: Engineering</i> , 2016 , 96, 231-241	10	60
289	Thermal sensors based on delafossite film/p-silicon diode for low-temperature measurements. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	12

288	Spectroscopic ellipsometry and electrical characterizations of InGaAs:Mg thin films lattice matched to InP. <i>European Physical Journal Plus</i> , 2016 , 131, 1	3.1	
287	Influence of carbon black/silica ratio on the physical and mechanical properties of composites based on epoxidized natural rubber. <i>Journal of Composite Materials</i> , 2016 , 50, 377-386	2.7	11
286	Analysis of photovoltaic behavior of Si-based junctions containing novel graphene oxide/nickel(II) phthalocyanine composite films. <i>Microelectronic Engineering</i> , 2016 , 154, 53-61	2.5	12
285	Correlations for coumarin additive on the electrical and photocatalytic activity of TiO ₂ modified by thiourea. <i>Microelectronic Engineering</i> , 2016 , 154, 26-37	2.5	8
284	Organic photodetector with coumarin-adjustable photocurrent. <i>Synthetic Metals</i> , 2016 , 213, 65-72	3.6	30
283	Facile synthesis, electrical and optical properties of Cu-doped GaN nanorods by sol-gel technique. <i>Journal of Sol-Gel Science and Technology</i> , 2016 , 78, 68-75	2.3	4
282	Electromagnetic shielding properties of graphene/acrylonitrile butadiene rubber nanocomposites for portable and flexible electronic devices. <i>Composites Part B: Engineering</i> , 2016 , 88, 212-219	10	62
281	Preparation and Characterization of Natural Rubber Composites Comprising Conductive Carbon Black/Magnetite Hybrid Fillers Obtained by Impregnation Technology. <i>Polymer-Plastics Technology and Engineering</i> , 2016 , 55, 1344-1356		2
280	New understanding on the different photocatalytic activity of wurtzite and zinc-blende CdS. <i>Applied Catalysis B: Environmental</i> , 2016 , 192, 101-107	21.8	159
279	Graphene controlled organic photodetectors. <i>Synthetic Metals</i> , 2016 , 217, 43-56	3.6	44
278	Improvement in the photovoltaic properties of hybrid solar cells by incorporating a QD-composite in the hole transport layer. <i>RSC Advances</i> , 2016 , 6, 23048-23057	3.7	13
277	New photodiodes based graphene-organic semiconductor hybrid materials. <i>Synthetic Metals</i> , 2016 , 213, 47-56	3.6	31
276	Induced Microphase Separation in Hybrid Composite Polymer Electrolytes Based on Poly(acrylonitrile-r-butadienes) and Ionic Liquids. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 794-803	2.6	52
275	Novel organic doped inorganic photosensors. <i>Microelectronic Engineering</i> , 2016 , 160, 27-33	2.5	18
274	Photoresponse and photocapacitor properties of Au/AZO/p-Si/Al diode with AZO film prepared by pulsed laser deposition (PLD) method. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	27
273	Solar light photodetectors based on nanocrystalline copper indium oxide/p-Si heterojunctions. <i>Journal of Alloys and Compounds</i> , 2016 , 663, 796-807	5.7	11
272	Refractive index dispersion properties of Cr-doped ZnO thin films by sol-gel spin coating method. <i>Optik</i> , 2016 , 127, 1879-1883	2.5	23
271	TiO ₂ nanosheets with exposed {001} facets for photocatalytic applications. <i>Nano Research</i> , 2016 , 9, 3-27	10	283

270	Synthesis and Characterization of Cadmium Chalcogenide Semiconductor Quantum Dots Based Thin Film. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2016 , 11, 656-661	1.3	4
269	Ambipolar small molecular semiconductor-based heterojunction diode. <i>Synthetic Metals</i> , 2016 , 221, 48-54	3.6	2
268	New type of Schottky diode-based CuAlNiCr shape memory material films. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	5
267	A comparative study on the performance of hybrid solar cells containing ZnTe QDs in hole transporting layer and photoactive layer. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	7
266	Flexible MgAl layered double hydroxide supported Pt on Al foil for use in room-temperature catalytic decomposition of formaldehyde. <i>RSC Advances</i> , 2016 , 6, 34280-34287	3.7	35
265	Analysis of interface states of FeO-Al ₂ O ₃ spinel composite film/p-Si diode by conductance technique. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	22
264	Thermal sensor based zinc oxide diode for low temperature applications. <i>Journal of Alloys and Compounds</i> , 2016 , 674, 277-288	5.7	10
263	Raman and ellipsometry spectroscopic analysis of graphene films grown directly on Si substrate via CVD technique for estimating the graphene atomic planes number. <i>Journal of Molecular Structure</i> , 2016 , 1118, 275-278	3.4	69
262	Structural, morphological and optical properties of PEDOT:PSS/QDs nano-composite films prepared by spin-casting. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016 , 83, 64-68	3	10
261	Structural characterization of chlorine intercalated Mg-Al layered double hydroxides: A comparative study between mechanochemistry and hydrothermal methods. <i>Journal of Alloys and Compounds</i> , 2016 , 683, 100-107	5.7	71
260	Effect of adding reducing agent on the structure and optical properties of one-pot preparation method of CdTe quantum dots. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 8384-8393	2.1	1
259	Analysis of ⁶ Li Scattering at 240 MeV Using Different Nuclear Potentials. <i>Brazilian Journal of Physics</i> , 2016 , 46, 334-340	1.2	3
258	Single crystal ruthenium(II) complex dye based photodiode. <i>Dyes and Pigments</i> , 2016 , 132, 64-71	4.6	35
257	Development of field effect transistor based on single graphene ribbon prepared by a modified unzipping process of MWCNT. <i>Synthetic Metals</i> , 2016 , 217, 152-155	3.6	50
256	Structure and spectroscopic analysis of the graphene monolayer film directly grown on the quartz substrate via the HF-CVD technique. <i>Superlattices and Microstructures</i> , 2016 , 96, 174-178	2.8	54
255	Thermally activated conductivity of Si hybrid structure based on ZnPc thin film. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	0
254	Controlling of DOS of TFTs based 6,13-bis(triisopropylsilylethynyl) pentacene by solar light illumination. <i>Synthetic Metals</i> , 2016 , 220, 591-598	3.6	4
253	Characterization of carbon silica hybrid fillers obtained by pyrolysis of waste green tires by the STEM-EDX method. <i>Materials Characterization</i> , 2015 , 101, 90-96	3.9	8

252	Novel synthesis, optical, and photoluminescence properties of Mg x Zn _{1-x} O nanoflowers. <i>Journal of Sol-Gel Science and Technology</i> , 2015 , 74, 726-733	2.3	3
251	Synthesis and structure of high quality graphene prepared via solvothermal exfoliation of intercalated graphite flakes. <i>Superlattices and Microstructures</i> , 2015 , 86, 270-274	2.8	63
250	Structural, magnetic and optical properties of a dilute magnetic semiconductor based on Ce _{1-x} CoxO ₂ thin film grown on LaAlO ₃ . <i>Materials Research Bulletin</i> , 2015 , 72, 154-159	5.1	69
249	Optical properties of Zn _{1-x} Al x O:NiO transparent metal oxide composite thin films prepared by sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2015 , 76, 378-385	2.3	8
248	Graphene-oxide doped 2.9.16.23-tetrakis-4-{4-[(2E)-3-(naphthalen-1-yl)prop-2-enoyl]phenoxy}-phthalocyaninato cobalt(II)/Au photodiodes. <i>Synthetic Metals</i> , 2015 , 209, 164-172	3.6	6
247	Influence of aluminium concentration in ZnO:9V0:1O nanoparticles on structural and optical properties. <i>Materials Science-Poland</i> , 2015 , 33, 198-204	0.6	2
246	Photodiode and photocapacitor properties of Au/CdTe/p-Si/Al device. <i>Journal of Alloys and Compounds</i> , 2015 , 646, 1151-1156	5.7	47
245	Transparent CdO/n-GaN(0001) heterojunction for optoelectronic applications. <i>Journal of Physics and Chemistry of Solids</i> , 2015 , 85, 26-33	3.9	19
244	CdS/Graphene Nanocomposite Photocatalysts. <i>Advanced Energy Materials</i> , 2015 , 5, 1500010	21.8	584
243	Structure and properties of the Mn doped CeO ₂ thin film grown on LaAlO ₃ (001) via a modified sol-gel spin-coating technique. <i>Journal of Alloys and Compounds</i> , 2015 , 640, 122-127	5.7	80
242	Photoconducting and photocapacitance properties of Al/p-CuNiO ₂ -on-p-Si isotype heterojunction photodiode. <i>Journal of Alloys and Compounds</i> , 2015 , 638, 166-171	5.7	11
241	Optical band gap controlling of nanostructure Mn doped CdO thin films prepared by sol-gel spin coating method. <i>Optik</i> , 2015 , 126, 575-577	2.5	28
240	Microwave-assisted hydrothermal synthesis and characterization of ZnO nanorods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 148, 362-8	4.4	76
239	Highly ferromagnetic, transparent conducting electrode based on Ce _{1-x} Lu _x O ₂ thin film for spintronic applications. <i>Ceramics International</i> , 2015 , 41, 9101-9106	5.1	65
238	Enhanced visible light photocatalytic H ₂ -production of g-C ₃ N ₄ /WS ₂ composite heterostructures. <i>Applied Surface Science</i> , 2015 , 358, 196-203	6.7	276
237	A new type photodiode: p-Si/GaN pn junction in series with GaN/Ag Schottky diode. <i>Journal of Alloys and Compounds</i> , 2015 , 650, 671-675	5.7	10
236	Nanocrystalline Cu ₂ O/p-Si solar light-responsive Schottky photodiode. <i>Applied Physics A: Materials Science and Processing</i> , 2015 , 121, 29-37	2.6	7
235	Composite metal oxide semiconductor based photodiodes for solar panel tracking applications. <i>Journal of Alloys and Compounds</i> , 2015 , 650, 692-699	5.7	11

234	Different Technical Applications of Carbon Nanotubes. <i>Nanoscale Research Letters</i> , 2015 , 10, 358	5	81
233	New concept ultraviolet photodetectors. <i>Materials Today</i> , 2015 , 18, 493-502	21.8	428
232	Synthesis and characterization of 4-amino-3-isoxazolidinone intercalated NiAl-LDH for nanocarrier applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 485, 91-95	5.1	65
231	Transparent ultraviolet photodiodes based conductive gallium-indium-oxide films/p-type silicon for solar panel tracking systems. <i>Sensors and Actuators A: Physical</i> , 2015 , 234, 212-222	3.9	6
230	Comparison of the Dielectric Thermal Properties and Dynamic Mechanical Thermal Properties of Natural Rubber-Based Composites Comprising Multiwall Carbon Nanotubes and Graphene Nanoplatelets. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2015 , 23, 1001-1007	1.8	8
229	A novel facile synthesis and electromagnetic wave shielding effectiveness at microwave frequency of graphene oxide paper. <i>Microsystem Technologies</i> , 2015 , 21, 2155-2163	1.7	6
228	Electromagnetic interference shielding properties of nanocomposites for commercial electronic devices. <i>Microsystem Technologies</i> , 2015 , 21, 2397-2405	1.7	9
227	The electrical characteristics of thin film transistors with graphene oxide and organic insulators. <i>Synthetic Metals</i> , 2015 , 199, 241-245	3.6	26
226	A novel type heterojunction photodiodes formed junctions of Au/LiZnSnO and LiZnSnO/p-Si in series. <i>Journal of Alloys and Compounds</i> , 2015 , 625, 18-25	5.7	30
225	3D BiO/CuO composite with enhanced photocatalytic performance for phenol degradation under visible-light. <i>Ceramics International</i> , 2015 , 41, 3511-3517	5.1	66
224	Modeling of current-voltage and capacitance-voltage characteristics of pentacene and sol-gel derived SiO ₂ gate dielectric layer based on thin-film transistor. <i>Synthetic Metals</i> , 2015 , 199, 159-168	3.6	6
223	Ferroelectric Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ photodiode for solar cell applications. <i>Solar Energy Materials and Solar Cells</i> , 2015 , 133, 69-75	6.4	30
222	Novel polyvinyl alcohol/silver hybrid nanocomposites for high performance electromagnetic wave shielding effectiveness. <i>Microsystem Technologies</i> , 2015 , 21, 859-868	1.7	20
221	Controlled Growth from ZnS Nanoparticles to ZnS/CdS Nanoparticle Hybrids with Enhanced Photoactivity. <i>Advanced Functional Materials</i> , 2015 , 25, 445-454	15.6	219
220	Electrical and photoresponse properties of Au/ reduced graphene:poly(3-hexylthiophene) nanocomposite /p-Si photodiodes. <i>Optical and Quantum Electronics</i> , 2015 , 47, 1779-1789	2.4	10
219	Structure and magnetic properties of diluted magnetic metal oxides based on Cu-doped CeO ₂ nanopowders. <i>Ceramics International</i> , 2015 , 41, 1115-1119	5.1	82
218	Synthesis and optical properties of iron doped gallium nitride nanostructures by sol gel method. <i>Microsystem Technologies</i> , 2015 , 21, 1219-1224	1.7	4
217	Novel rapid synthesis of zinc oxide nanotubes via hydrothermal technique and antibacterial properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 135, 871-7	4.4	51

216	Nickel Cobaltite Nanostructures for Photoelectric and Catalytic Applications. <i>Small</i> , 2015 , 11, 4267-83	11	105
215	Effect of the Carbon-Silica Reinforcing Filler Obtained from the Pyrolysis-Cum-Water Vapour of Waste Green Tyres upon the Properties of Natural Rubber Based Composites. <i>Progress in Rubber, Plastics and Recycling Technology</i> , 2015 , 31, 25-41	1.7	5
214	Graphene-cobalt phthalocyanine based on optoelectronic device for solar panel tracking systems. <i>Synthetic Metals</i> , 2015 , 206, 15-23	3.6	21
213	Synthesis and characterization of nanostructured undoped and Sn-doped ZnO thin films via sol-gel approach. <i>Applied Surface Science</i> , 2015 , 350, 109-114	6.7	52
212	Studies of photosensitivity and photo-induced negative differential resistance (NDR) of TIPS-pentacene-poly(3-hexyl)thiophene blend organic thin film transistor. <i>Synthetic Metals</i> , 2015 , 207, 1-12	3.6	7
211	Logarithmic organic photodetectors. <i>Synthetic Metals</i> , 2015 , 210, 288-296	3.6	8
210	Nitrogen-doped TiO ₂ microsheets with enhanced visible light photocatalytic activity for CO ₂ reduction. <i>Chinese Journal of Catalysis</i> , 2015 , 36, 2127-2134	11.3	172
209	Synthesis and Characterization of Mercaptoacetic Acid Capped Cadmium Sulphide Quantum Dots. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 9861-7	1.3	12
208	One pot synthesis of graphene based on microwave assisted solvothermal technique. <i>Synthetic Metals</i> , 2015 , 200, 54-57	3.6	61
207	Comparative study of alpha + nucleus elastic scattering using different models. <i>International Journal of Modern Physics E</i> , 2015 , 24, 1550003	0.7	8
206	Design of ruthenium/iron oxide nanoparticle mixtures for hydrogenation of nitrobenzene. <i>Catalysis Science and Technology</i> , 2015 , 5, 1902-1910	5.5	91
205	Semiconductors: Controlled Growth from ZnS Nanoparticles to ZnS/CdS Nanoparticle Hybrids with Enhanced Photoactivity (Adv. Funct. Mater. 3/2015). <i>Advanced Functional Materials</i> , 2015 , 25, 495-495	15.6	2
204	Dielectric anisotropy properties of nanostructure metal oxide semiconductor and 4-(4'-n-pentylcyanobiphenyl based on nano-nematic composite systems. <i>Journal of Molecular Liquids</i> , 2014 , 190, 169-173	6	12
203	A facile method to syntheses monodisperse Fe ₂ O ₃ nanocubes with high magnetic anisotropy density. <i>Superlattices and Microstructures</i> , 2014 , 68, 1-5	2.8	69
202	Semiconducting properties of Al doped ZnO thin films. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 131, 512-7	4.4	105
201	Effect of environment on the preparation of CdSe quantum dots capped with mercaptoacetic acid. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 6442-51	1.3	2
200	Effect of solvent and environmental conditions on the structural and optical properties of CdS nanoparticles. <i>RSC Advances</i> , 2014 , 4, 24110-24118	3.7	12
199	Efficient Self-Assembly Synthesis of Uniform CdS Spherical Nanoparticles-Au Nanoparticles Hybrids with Enhanced Photoactivity. <i>Advanced Functional Materials</i> , 2014 , 24, 3725-3733	15.6	195

198	Magnetically Recoverable Catalysts Based on Polyphenylenepyridyl Dendrons and Dendrimers. <i>RSC Advances</i> , 2014 , 4, 23271	3.7	77
197	Fabrication of magnetically recoverable catalysts based on mixtures of Pd and iron oxide nanoparticles for hydrogenation of alkyne alcohols. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 21652-60	8.5	78
196	Effects of the graphene doping level on the optical and electrical properties of ITO/P3HT:Graphene/Au organic solar cells. <i>Superlattices and Microstructures</i> , 2014 , 76, 461-471	2.8	22
195	The electrical characterization of ZnO/GaAs heterojunction diode. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014 , 64, 240-245	3	19
194	Rectifying structure with high voltage operation based on CuBO ₂ as an UV photocatalyst. <i>Journal of Alloys and Compounds</i> , 2014 , 617, 602-608	5.7	9
193	Dielectric and Microwave Properties of Fullerenes Containing Natural Rubber-based Nanocomposites. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2014 , 22, 332-345	1.8	4
192	Structural and Dielectrical Properties of Ag- and Ba-Substituted Hydroxyapatites. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2014 , 24, 1001-1008	3.2	19
191	Synthesis and characterization of Bi doped SeTe nanostructured thin films. <i>Measurement: Journal of the International Measurement Confederation</i> , 2014 , 58, 325-329	4.6	8
190	Nano silver-anchored reduced graphene oxide sheets for enhanced dielectric performance of polymer nanocomposites. <i>RSC Advances</i> , 2014 , 4, 28426-28431	3.7	27
189	High performance organic-on-inorganic hybrid photodiodes based on organic semiconductor-graphene oxide blends. <i>Synthetic Metals</i> , 2014 , 195, 217-221	3.6	22
188	The enhanced efficiency to 3.6% based on organic dye as donor and Si/TiO ₂ acceptor bulk hetero-junction solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014 , 292, 1-9	4.7	12
187	Novel photosensor based on carbon nitride thin films. <i>Materials Letters</i> , 2014 , 134, 149-151	3.3	13
186	Dielectric and microwave properties of polyvinyl chloride/graphite/nickel composites and its applications. <i>Journal of Thermoplastic Composite Materials</i> , 2014 , 27, 528-540	1.9	4
185	Field emission study of MWCNT/conducting polymer nanocomposite. <i>Physica B: Condensed Matter</i> , 2014 , 454, 31-34	2.8	5
184	On the prospects of conducting polyaniline/natural rubber composites for electromagnetic shielding effectiveness applications. <i>Journal of Thermoplastic Composite Materials</i> , 2014 , 27, 765-782	1.9	10
183	Photoconducting properties of Cd _{0.4} Zn _{0.6} /p-Si photodiode by sol gel method. <i>Journal of Electroceramics</i> , 2014 , 32, 369-375	1.5	12
182	Electrical and photoconducting properties of nanorod in based spinel compound/p-Si photodiode by sol-gel spin coating technique. <i>Journal of Sol-Gel Science and Technology</i> , 2014 , 71, 421-427	2.3	11
181	One-Step Hydrothermal Synthesis of 2D Hexagonal Nanoplates of Fe ₂ O ₃ /Graphene Composites with Enhanced Photocatalytic Activity. <i>Advanced Functional Materials</i> , 2014 , 24, 5719-5727	15.6	289

180	Controlling of dielectrical properties of hydroxyapatite by ethylenediamine tetraacetic acid (EDTA) for bone healing applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 129, 268-73	4.4	24
179	Photoelectrical characterization of a new generation diode having GaFeO ₃ interlayer. <i>Solar Energy Materials and Solar Cells</i> , 2014 , 124, 180-185	6.4	47
178	Spectroscopic ellipsometry of Zn(1-x)Cu(x)O thin films based on a modified sol-gel dip-coating technique. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 118, 800-5	4.4	82
177	Dielectric properties of Fe doped hydroxyapatite prepared by sol-gel method. <i>Ceramics International</i> , 2014 , 40, 9395-9402	5.1	89
176	Improved solar efficiency by introducing graphene oxide in purple cabbage dye sensitized TiO ₂ based solar cell. <i>Solid State Communications</i> , 2014 , 183, 56-59	1.6	47
175	Study of optical and electrical assessments of the quaternary MgZnSnO system containing different Mg content. <i>Journal of Materials Science: Materials in Electronics</i> , 2014 , 25, 4235-4245	2.1	12
174	Determination of Optical Constants of Nanocluster CdO Thin Films Deposited by Sol-Gel Technique. <i>Acta Physica Polonica A</i> , 2014 , 126, 798-808	0.6	15
173	Synthesis and characterizations of ferrite nanomaterials for phenyl hydrazine chemical sensor applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 3765-70	1.3	7
172	Effects of Multi-walled Carbon Nanotubes on the Dielectric and Microwave Properties of Natural Rubber-based Composites. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2014 , 22, 618-629	1.8	4
171	A novel recipe to improve the magnetic properties of Mn doped CeO ₂ as a room temperature ferromagnetic diluted metal oxide. <i>Journal of Magnetism and Magnetic Materials</i> , 2014 , 360, 73-79	2.8	100
170	Improvement of photoresponse properties of NiO/p-Si photodiodes by copper dopant. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014 , 56, 288-295	3	30
169	Dielectric anisotropy and electrical properties of the copper phthalocyanine (CuPc): 4- <i>n</i> -Heptylcyanobiphenyl (7CB) composite liquid crystals. <i>Composites Part B: Engineering</i> , 2014 , 56, 15-19	10	16
168	Development of highly conductive and transparent copper doped zinc oxide thin films via 2-methoxyethanol modified sol-gel dip-coating technique. <i>Ceramics International</i> , 2014 , 40, 1927-1932	5.1	76
167	Novel bulk synthesis of magnesium oxide nanobelts networks by microwave hydrothermal route. <i>Journal of Sol-Gel Science and Technology</i> , 2014 , 70, 14-18	2.3	9
166	Preparation of Tungsten Trioxide Nanorods by Hydrothermal Route: n-Tungsten Trioxide Nanorods/p-Silicon p-n Junction. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2014 , 9, 327-333	1.3	6
165	Nanostructure Lanthanum Doped Zinc Oxide Optical Materials. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2014 , 9, 624-634	1.3	8
164	CdS Quantum Dots and Dye Co-Sensitized Nanorods TiO ₂ Solar Cell. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2014 , 9, 662-665	1.3	6
163	Electrical Conductivity Properties of Polyvinyl Alcohol: Graphene Nanocomposites. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2014 , 9, 678-684	1.3	3

162	Electromagnetic wave shielding and microwave absorbing properties of hybrid epoxy resin/foiliated graphite nanocomposites. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 2227-2234	2.9	27
161	Band edge emission of ZnS nanoparticles prepared by excess of thiourea as a source of sulfur. <i>Journal of Sol-Gel Science and Technology</i> , 2013 , 66, 443-451	2.3	15
160	Novel photoconductive Ag/nanostructure ruthenium oxide/p-type silicon Schottky barrier diode by sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2013 , 67, 368-375	2.3	11
159	A pentacene thin film transistor with good performance using sol-gel derived SiO ₂ gate dielectric layer. <i>Solid State Sciences</i> , 2013 , 16, 111-116	3.4	13
158	Determination of optical band gap of ZnO:ZnAl ₂ O ₄ composite semiconductor nanopowder materials by optical reflectance method. <i>Journal of Electroceramics</i> , 2013 , 31, 265-270	1.5	33
157	Effect of nanocrystallization on the structural and electrical conductivity enhancement of vanadium-based glasses. <i>Journal of Materials Science</i> , 2013 , 48, 3067-3074	4.3	2
156	Hydrogen sensing characteristics of vertical type hydrogen sensors based on porous 3C-SiC with catalyst materials. <i>Microsystem Technologies</i> , 2013 , 19, 1221-1227	1.7	2
155	Polyphenylenepyridyl Dendrons with Functional Periphery and Focal Points: Syntheses and Applications. <i>Macromolecules</i> , 2013 , 46, 5890-5898	5.5	70
154	Electrical and photoresponse properties of Al/p-CuFeO ₂ /p-Si/Al MTCOS photodiode. <i>Solar Energy</i> , 2013 , 92, 1-6	6.8	24
153	Effect of Matrix Chemical Nature on the Properties of Composites for Microwave Absorbers. <i>Polymer-Plastics Technology and Engineering</i> , 2013 , 52, 1113-1121		8
152	Synthesis, magnetic and ethanol gas sensing properties of semiconducting magnetite nanoparticles. <i>Solid State Sciences</i> , 2013 , 19, 111-116	3.4	17
151	Photofield effect and photoresponse properties of the transparent oxide-based BaInZnO thin-film transistors. <i>Sensors and Actuators A: Physical</i> , 2013 , 193, 1-12	3.9	6
150	Study of phase separation in Ga ₂₅ Se _{75-x} Te _x chalcogenide thin films. <i>Progress in Natural Science: Materials International</i> , 2013 , 23, 139-144	3.6	25
149	Controlling of dielectrical and optical properties of hydroxyapatite based bioceramics by Cd content. <i>Powder Technology</i> , 2013 , 245, 1-6	5.2	39
148	Structural, optical and electrical characterization of Ag doped lead chalcogenide (PbSe) thin films. <i>Journal of Luminescence</i> , 2013 , 135, 295-300	3.8	26
147	Development of Fe/Fe ₃ O ₄ core-shell nanocubes as a promising magnetic resonance imaging contrast agent. <i>Langmuir</i> , 2013 , 29, 13095-101	4	15
146	Threshold voltage under white light illumination of zinc oxide based TFT in saturation regime. <i>Superlattices and Microstructures</i> , 2013 , 62, 12-20	2.8	4
145	Facile green synthesis, optical and photocatalytic properties of zinc oxide nanosheets via microwave assisted hydrothermal technique. <i>Journal of Electroceramics</i> , 2013 , 31, 324-330	1.5	21

144	Controlling of photoresponse properties of pentacene thin film phototransistors by dielectric layer thickness and channel widths. <i>Synthetic Metals</i> , 2013 , 179, 94-115	3.6	11
143	Electrochemical growth of GaSe nanostructures and their Schottky barrier characteristics. <i>Superlattices and Microstructures</i> , 2013 , 63, 162-167	2.8	52
142	Development of nanoimprinted InP QDs decorated polyaniline solar cell with conversion efficiency 3%. <i>Organic Electronics</i> , 2013 , 14, 2762-2769	3.5	36
141	Characterization of phase change Ga ₁₅ Se ₇₇ Ag ₈ chalcogenide thin films by laser-irradiation. <i>Journal of Alloys and Compounds</i> , 2013 , 550, 431-437	5.7	7
140	Synthesis and characterization of electropolymerized molecularly imprinted microporous polyaniline films for solar cell applications. <i>Polymer Composites</i> , 2013 , 34, 299-304	3	68
139	Characterization and modeling of TIPS-pentacene-poly(3-hexyl) thiophene blend organic thin film transistor. <i>Synthetic Metals</i> , 2013 , 185-186, 153-158	3.6	10
138	Controlling of conduction mechanism and electronic parameters of silicon/metal junction by mixed Methylene Blue/2,2'-dichlorofluorescein. <i>Microelectronics Reliability</i> , 2013 , 53, 1901-1906	1.2	20
137	Phase transformation kinetics and optical properties of Ga ₅₀ Be ₅₀ phase-change thin films. <i>Materials Science in Semiconductor Processing</i> , 2013 , 16, 884-892	4.3	10
136	Comparison of microwave absorbing properties of chloroprene rubber composites containing carbon black and nickel/cobalt powder. <i>Journal of Elastomers and Plastics</i> , 2013 , 45, 471-485	1.6	6
135	Structural and optical properties of spin coated Zn _{1-x} Cr _x O nanostructures. <i>Superlattices and Microstructures</i> , 2013 , 60, 108-119	2.8	23
134	New Schottky diode based entirely on nickel aluminate spinel/p-silicon using the sol-gel spin coating approach. <i>Superlattices and Microstructures</i> , 2013 , 64, 167-177	2.8	15
133	Multifunctional Nanohybrids by Self-Assembly of Monodisperse Iron Oxide Nanoparticles and Nanolamellar MoS ₂ Plates. <i>Chemistry of Materials</i> , 2013 , 25, 2434-2440	9.6	88
132	Spectroscopic ellipsometric determination of optical properties of V-Al co-doped ZnO films by rf magnetron sputtering. <i>Journal of Electroceramics</i> , 2013 , 30, 221-227	1.5	6
131	Fabrication and electrical characterization of solution-processed all-oxide transparent NiO/TiO ₂ p-n junction diode by sol-gel spin coating method. <i>Journal of Electroceramics</i> , 2013 , 31, 260-264	1.5	11
130	Preparation and characterization of dye sensitized solar cell based on nanostructured Fe ₂ O ₃ . <i>Materials Letters</i> , 2013 , 105, 106-109	3.3	38
129	Improvement of performance of GaAs solar cells by inserting self-organized InAs/InGaAs quantum dot superlattices. <i>Solar Energy Materials and Solar Cells</i> , 2013 , 113, 1-6	6.4	19
128	Influence of laser-irradiation on structural and optical properties of phase change Ga ₂₅ Se _{75-x} Te _x thin films. <i>Materials Letters</i> , 2013 , 92, 424-426	3.3	9
127	Rapid fabrication of nanostructured magnesium hydroxide and hydromagnesite via microwave-assisted technique. <i>Powder Technology</i> , 2013 , 234, 26-31	5.2	42

126	Dielectric and microwave properties of natural rubber-based composites tailored by the fillers specific features. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2013 , 227, 168-176	1.3	
125	Application of pellet softening (PS) as a scale prevention method in seawater desalination plants. <i>Desalination and Water Treatment</i> , 2013 , 51, 5509-5515		6
124	6-Mercaptohexanoic acid assisted synthesis of high quality InP quantum dots for optoelectronic applications. <i>Superlattices and Microstructures</i> , 2013 , 56, 86-91	2.8	54
123	Photocatalytic Activity of Doped and Undoped Titanium Dioxide Nanoparticles Synthesised by Flame Spray Pyrolysis. <i>Platinum Metals Review</i> , 2013 , 57, 32-43		36
122	Electrocatalytic Oxidation of Methanol on an Pd/Py/Niad-atoms Electrode. <i>Journal of Fuel Cell Science and Technology</i> , 2013 , 10,		1
121	Improvement of Efficiency in CdS Quantum Dots Sensitized Solar Cells. <i>Acta Physica Polonica A</i> , 2013 , 124, 750-754	0.6	2
120	Blends of thermoplastic polyurethane and polydimethylsiloxane rubber: assessment of biocompatibility and suture holding strength of membranes. <i>International Journal of Biomaterials</i> , 2013 , 2013, 240631	3.2	15
119	Effect of carbon nanotubes and graphene nanoplatelets on the dielectric and microwave properties of natural rubber composites. <i>Advanced Composite Materials</i> , 2013 , 22, 361-376	2.8	16
118	Kinetics of phase transformation in nanostructured Ga-Se-Te glasses. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 2001-7	1.3	2
117	Application of date palm trunk fibers as adsorbents for removal of Cd ²⁺ ions from aqueous solutions. <i>Journal of Water Reuse and Desalination</i> , 2013 , 3, 47-54	2.6	6
116	Optical absorption of Zn(V,Al)O thin films studied by spectroscopic ellipsometry from 1 to 6 eV. <i>EPJ Applied Physics</i> , 2013 , 62, 30304	1.1	2
115	Crystallization kinetics in as-synthesis high yield of a-Se _{100-x} Te _x nanorods. <i>Materials Chemistry and Physics</i> , 2012 , 134, 260-265	4.4	4
114	Photo-induced effects on electrical properties of Ga ₁₅ Se ₈₁ Ag ₄ chalcogenide thin films. <i>Materials Letters</i> , 2012 , 66, 273-275	3.3	17
113	The influence of γ rays irradiation on the structure and crystallinity of heteropoly acid doped PVA. <i>Radiation Physics and Chemistry</i> , 2012 , 81, 693-696	2.5	54
112	Ultra-sensitive ethanol sensor based on rapidly synthesized Mg(OH) ₂ hexagonal nanodisks. <i>Sensors and Actuators B: Chemical</i> , 2012 , 166-167, 97-102	8.5	41
111	Photo-induced effects on structural and optical properties of Ga ₁₅ Se ₈₁ Ag ₄ chalcogenide thin films. <i>Journal of Luminescence</i> , 2012 , 132, 1237-1242	3.8	16
110	Role of heat treatment on structural and optical properties of thermally evaporated Ga ₁₀ Se ₈₁ Pb ₉ chalcogenide thin films. <i>Journal of Luminescence</i> , 2012 , 132, 2082-2087	3.8	27
109	Thermophysical properties of foliated graphite/nickel reinforced polyvinyl chloride nanocomposites. <i>Journal of Applied Polymer Science</i> , 2012 , 124, 1144-1153	2.9	7

108	Control of ZnO Nanostructures via Vapor Transport. <i>Chemical Vapor Deposition</i> , 2012 , 18, 282-288		2
107	Controlling of crystal size and optical band gap of CdO nanopowder semiconductors by low and high Fe contents. <i>Journal of Electroceramics</i> , 2012 , 29, 155-162	1.5	37
106	A new facile synthesis of ultra fine magnesium oxide nanowires and optical properties. <i>Journal of Electroceramics</i> , 2012 , 29, 198-203	1.5	29
105	Synthesis and characterization of nanostructured aluminum borate by sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2012 , 64, 100-103	2.3	17
104	Fabrication and electrical characterization of transparent NiO/ZnO p-n junction by the sol-gel spin coating method. <i>Journal of Sol-Gel Science and Technology</i> , 2012 , 64, 219-223	2.3	17
103	Optical properties of nanostructure boron doped NiO thin films. <i>Journal of Sol-Gel Science and Technology</i> , 2012 , 64, 728-733	2.3	28
102	Effects of interface states and series resistance on electrical properties of Al/nanostructure CdO/p-GaAs diode. <i>Journal of Alloys and Compounds</i> , 2012 , 541, 462-467	5.7	28
101	Laboratory Scale Water Circuit Including a Photocatalytic Reactor and a Portable In-Stream Sensor To Monitor Pollutant Degradation. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 3301-3308 ^{3,9}		10
100	Binding of a Benzoate Dye-Molecule Analogue to Rutile Titanium Dioxide Surfaces. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 1020-1026	3.8	14
99	A new large - Scale synthesis of magnesium oxide nanowires: Structural and antibacterial properties. <i>Superlattices and Microstructures</i> , 2012 , 52, 200-209	2.8	116
98	Synthesis, electrical properties and transport mechanisms of thermally vacuum evaporated CdTe nanocrystalline thin films. <i>Solid State Communications</i> , 2012 , 152, 1644-1649	1.6	11
97	Series resistance controlling photosensor of Ag/DNA/p-Si/Al diode. <i>Synthetic Metals</i> , 2012 , 162, 981-987 ^{3,6}		26
96	Microwave assisted rapid growth of Mg(OH) ₂ nanosheet networks for ethanol chemical sensor application. <i>Journal of Alloys and Compounds</i> , 2012 , 519, 4-8	5.7	49
95	Kinetics of non-isothermal crystallization and glass transition phenomena in Ga ₁₀ Se ₈₇ Pb ₃ and Ga ₁₀ Se ₈₄ Pb ₆ chalcogenide glasses by DSC. <i>Journal of Non-Crystalline Solids</i> , 2012 , 358, 564-570	3.9	15
94	Photodiodes based on graphene oxide/silicon junctions. <i>Solar Energy</i> , 2012 , 86, 2961-2966	6.8	82
93	Dynamic charge transport in pentacene and zinc oxide thin-film transistors: Dark and UV illumination conditions. <i>Synthetic Metals</i> , 2012 , 162, 1681-1688	3.6	5
92	Influence of illumination intensity and temperature on the electrical characteristics of an Al/p-GaAs/In structure prepared by thermal evaporation. <i>Microelectronic Engineering</i> , 2012 , 99, 50-57	2.5	21
91	Dynamic mechanical thermal analysis and dielectric thermal analysis of siloxane rubber-based composites filled with carbon black. <i>Journal of Composite Materials</i> , 2012 , 46, 1765-1770	2.7	6

90	An Investigation of 4 He+ 12 C and 4 He+ 16 O Reactions Using the Cluster Model. <i>Communications in Theoretical Physics</i> , 2012 , 58, 135-140	2.4	7
89	Influence of matrices chemical nature on the dynamic mechanical and dielectric properties of rubber composites comprising conductive carbon black. <i>Journal of Polymer Research</i> , 2012 , 19, 1	2.7	3
88	Properties of Natural Rubber-Based Composites Containing Fullerene. <i>International Journal of Polymer Science</i> , 2012 , 2012, 1-8	2.4	14
87	Some Factors Determining the Volume Resistivity of Filled Natural-Rubber-Based Nanocomposites. <i>Progress in Rubber, Plastics and Recycling Technology</i> , 2012 , 28, 95-110	1.7	4
86	Electrical and optical properties of a-SexTe100 μ m thin films. <i>Optics and Laser Technology</i> , 2012 , 44, 6-11	4.2	23
85	Charge transport mechanism of graphite-nanosheet-loaded rubber nanocomposites. <i>Polymer International</i> , 2012 , 61, 51-54	3.3	49
84	Evaluation and modeling of the mechanical properties of graphite nanoplatelets based rubber nanocomposites for pressure sensing applications. <i>Polymers for Advanced Technologies</i> , 2012 , 23, 161-165 ²	3.2	60
83	Piezoresistive behavior of graphite nanoplatelets based rubber nanocomposites. <i>Polymers for Advanced Technologies</i> , 2012 , 23, 478-482	3.2	84
82	Synthesis and characterization of Cd _x Zn _{1-x} O nanoparticles-doped aryl poly ether ether ketone for novel application potentials. <i>Journal of Applied Polymer Science</i> , 2012 , 125, 339-343	2.9	72
81	Novel electromagnetic interference shielding effectiveness in the microwave band of magnetic nitrile butadiene rubber/magnetite nanocomposites. <i>Journal of Applied Polymer Science</i> , 2012 , 125, 2604-2613 ²⁶	2.9	26
80	Blends of thermoplastic polyurethane (TPU) and polydimethyl siloxane rubber (PDMS), part-I: assessment of compatibility from torque rheometry and mechanical properties. <i>Journal of Polymer Research</i> , 2012 , 19, 1	2.7	24
79	A novel synthesis and optical properties of cuprous oxide nano octahedrons via microwave hydrothermal route. <i>Journal of Sol-Gel Science and Technology</i> , 2012 , 63, 187-193	2.3	8
78	Dielectric and microwave properties of carbon nanotubes/carbon black filled natural rubber composites. <i>Plastics, Rubber and Composites</i> , 2012 , 41, 408-412	1.5	3
77	Adsorption Sites of Hydrogen Atom on Pure and Mg-Doped Multi-Walled Carbon Nanotubes. <i>Journal of Nanomaterials</i> , 2012 , 2012, 1-5	3.2	8
76	Electrocatalytic Reduction of Oxygen on Ni/Graphite Nanoparticles. <i>Journal of Fuel Cell Science and Technology</i> , 2012 , 9,		1
75	Temperature dependant structural and electrical properties of ZnO nanowire networks. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 68-74	1.3	5
74	A DNA Biosensor Based Interface States of a Metal-Insulator-Semiconductor Diode for Biotechnology Applications. <i>Acta Physica Polonica A</i> , 2012 , 121, 673-677	0.6	8
73	Dielectric and Microwave Properties of Graphene Nanoplatelets /Carbon Black Filled Natural Rubber Composites. <i>International Journal of Materials and Chemistry</i> , 2012 , 2, 116-122	1	28

72	Non-isothermal crystallization kinetic study on Ga ₁₅ Se _{85-x} Ag _x chalcogenide glasses by using differential scanning calorimetry. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 2087-2093	5.7	31
71	Structural and elastic properties of eutectic Sn-Cu lead-free solder alloy containing small amount of Ag and In. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 7238-7246	5.7	36
70	Honey and microbial infections: a review supporting the use of honey for microbial control. <i>Journal of Medicinal Food</i> , 2011 , 14, 1079-96	2.8	90
69	Dielectric and Microwave Properties of Siloxane Rubber/Carbon Black Nanocomposites and Their Correlation. <i>International Journal of Polymer Science</i> , 2011 , 2011, 1-7	2.4	8
68	Influence of Carbon Black Structure and Specific Surface Area on the Mechanical and Dielectric Properties of Filled Rubber Composites. <i>International Journal of Polymer Science</i> , 2011 , 2011, 1-8	2.4	14
67	Synthesis and physical properties of mixed Co ₃ O ₄ /CoO nanorods by microwave hydrothermal technique. <i>Superlattices and Microstructures</i> , 2011 , 50, 437-448	2.8	31
66	One thousand thermal cycles of magnesium chloride hexahydrate as a promising PCM for indoor solar cooking. <i>Energy Conversion and Management</i> , 2011 , 52, 1771-1777	10.6	81
65	Electrical properties of thin films of a-Ga _x Te _{100-x} composed of nanoparticles. <i>Philosophical Magazine Letters</i> , 2011 , 91, 207-213	1	13
64	A novel technique to synthesize nanoparticles of titanium dioxide, cadmium sulfide, and silicon dioxide, capped with 2,2-bipyridine compounds. <i>Chemistry and Technology of Fuels and Oils</i> , 2011 , 47, 144-150	0.4	
63	Synthesis and properties of bismuth oxide nanoshell coated polyaniline nanoparticles for promising photovoltaic properties. <i>Polymers for Advanced Technologies</i> , 2011 , 22, 877-881	3.2	94
62	Synthesis and optical properties of poly (vinyl acetate)/bismuth oxide nanorods. <i>Polymers for Advanced Technologies</i> , 2011 , 22, 2055-2061	3.2	78
61	The influence of Cd(ZnO) on the structure, optical and thermal stabilities of polyvinyl chloride nanocomposites. <i>Polymer Composites</i> , 2011 , 32, 1143-1147	3	83
60	Influence of graphite nanosheets on the structure and properties of PVC-based nanocomposites. <i>Journal of Applied Polymer Science</i> , 2011 , 120, 3628-3634	2.9	21
59	Evaluation and modeling of the mechanical behavior of carbon nanoparticle/rubber-modified polyethylene nanocomposites. <i>Journal of Applied Polymer Science</i> , 2011 , 122, 3023-3029	2.9	54
58	Novel functional nitrile butadiene rubber/magnetite nano composites for NTCR thermistors application. <i>Journal of Applied Polymer Science</i> , 2011 , 121, 3604-3612	2.9	27
57	Pressure Sensors Based on Polyvinyl Chloride/Graphite/Nickel Nanocomposites. <i>Journal of Elastomers and Plastics</i> , 2011 , 43, 137-153	1.6	6
56	Annealing and laser irradiation effects on optical constants of Ga ₁₅ Se ₈₅ and Ga ₁₅ Se ₈₃ In ₂ chalcogenide thin films. <i>Current Applied Physics</i> , 2011 , 11, 315-320	2.6	32
55	Study of the switching phenomena of TlGaS ₂ single crystals. <i>Applied Surface Science</i> , 2011 , 257, 3205-3210	1.7	12

54	Facile synthesis and optical properties of Co ₃ O ₄ nanostructures by the microwave route. <i>Superlattices and Microstructures</i> , 2011 , 49, 416-421	2.8	110
53	Syntheses of Aggregation Pheromones of the Palm Weevils <i>Rhynchophorus vulneratus</i> and <i>R. phoenicis</i> and of (+)-trans-Whiskey Lactone. <i>Synthesis</i> , 2011 , 2011, 3894-3898	2.9	6
52	Electrical transport properties of thin film of a-Se ₈₇ Te ₁₃ nanorods. <i>Journal of Experimental Nanoscience</i> , 2011 , 6, 337-348	1.9	22
51	Electrical energy from foods. <i>Journal of Renewable and Sustainable Energy</i> , 2011 , 3, 063106	2.5	2
50	New Resistive Switching and Self-Regulating Heating in Foliated Graphite/Nickel Polyvinyl Chloride Nanocomposites. <i>Journal of Nanomaterials</i> , 2011 , 2011, 1-10	3.2	2
49	Morphology and Optical Properties of Thin Films of Ga _x Se _{100-x} Nanoparticles. <i>Nanoscience and Nanotechnology Letters</i> , 2011 , 3, 319-323	0.8	10
48	Growth, Structural and Optical Properties of Well-Crystalline Al-Doped ZnO Nanowire and Their Based Field Effect Transistor (FET). <i>Science of Advanced Materials</i> , 2011 , 3, 719-724	2.3	2
47	Direct growth of ZnO nanosheets on FTO substrate for dye-sensitized solar cells applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 6666-71	1.3	6
46	The influence of temperature on the structure of Cd-doped ZnO nanopowders. <i>Journal of Alloys and Compounds</i> , 2010 , 491, 742-746	5.7	104
45	Kinetics of non-isothermal crystallization of ternary Se ₈₀ Te _{20-x} Zn _x glasses. <i>Journal of Alloys and Compounds</i> , 2010 , 497, 215-220	5.7	10
44	Ag enhances optical and switching properties of gadolinium hydride films. <i>Journal of Alloys and Compounds</i> , 2010 , 504, 233-236	5.7	0
43	Effects of laser irradiation on optical properties of amorphous and annealed Ga ₁₅ Se ₈₁ In ₄ and Ga ₁₅ Se ₇₉ In ₆ chalcogenide thin films. <i>Journal of Alloys and Compounds</i> , 2010 , 505, 229-234	5.7	30
42	New electromagnetic wave shielding effectiveness at microwave frequency of polyvinyl chloride reinforced graphite/copper nanoparticles. <i>Composites Part A: Applied Science and Manufacturing</i> , 2010 , 41, 1693-1701	8.4	93
41	Growth and properties of ultra-violet emitting aligned zinc oxide nanocones with hexagonal caps. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 6659-65	1.3	
40	Thermal annealing effect of on optical constants of vacuum evaporated Se ₇₅ S _{25-x} Cd _x chalcogenide thin films. <i>Optics and Laser Technology</i> , 2010 , 42, 839-844	4.2	47
39	Effect of Composition on Electrical and Optical Properties of Thin Films of Amorphous Ga _(x) Se _(100-x) Nanorods. <i>Nanoscale Research Letters</i> , 2010 , 5, 1512-1517	5	36
38	Characterization of Se ₈₈ Te ₁₂ nanostructured chalcogenide prepared by ball milling. <i>Materials Letters</i> , 2010 , 64, 1391-1393	3.3	25
37	Amorphous GdN buffer-layer-enhanced switching properties of Gd switchable mirrors. <i>Solid State Sciences</i> , 2010 , 12, 2130-2133	3.4	1

36	New PTCR thermistors, switching current, and electromagnetic shielding effectiveness from nanosized vanadium sesquioxides ceramic reinforced epoxy resin nanocomposites. <i>Journal of Applied Polymer Science</i> , 2010 , 115, 817-825	2.9	16
35	Electrical and mechanical properties of bismuth oxide nanowire/poly(vinyl acetate). <i>Journal of Applied Polymer Science</i> , 2010 , 118, n/a-n/a	2.9	2
34	Synthesis and optical characterization of nanocrystalline CdTe thin films. <i>Optics and Laser Technology</i> , 2010 , 42, 1181-1186	4.2	44
33	Structural, optical and electrical properties of cadmium-doped lead chalcogenide (PbSe) thin films. <i>Physica B: Condensed Matter</i> , 2010 , 405, 3384-3390	2.8	57
32	Synthesis of CdZnO thin film as a potential candidate for optical switches. <i>Optics and Laser Technology</i> , 2010 , 42, 1134-1138	4.2	115
31	Optical characterization of nanocrystalline and chalcogenides. <i>Superlattices and Microstructures</i> , 2010 , 47, 695-704	2.8	27
30	Global, direct and diffuse solar radiation on horizontal and tilted surfaces in Jeddah, Saudi Arabia. <i>Applied Energy</i> , 2010 , 87, 568-576	10.7	210
29	Effect of cadmium addition on the optical constants of thermally evaporated amorphous Se ₇₅ S ₂₅ Cd thin films. <i>Current Applied Physics</i> , 2010 , 10, 145-152	2.6	83
28	The influence of vanadium pentoxide on the structure and dielectric properties of poly(vinyl alcohol). <i>Polymer International</i> , 2010 , 59, 1282-1288	3.3	79
27	Nanocrystalline ZnO Flakes for Photovoltaic Device Applications. <i>Advanced Science Letters</i> , 2010 , 3, 543-547		3
26	Influence of laser-irradiation on the optical constants Se ₇₅ S ₂₅ Cdx thin films. <i>Materials Letters</i> , 2009 , 63, 1740-1742	3.3	22
25	Fast thermal cycling of acetanilide and magnesium chloride hexahydrate for indoor solar cooking. <i>Energy Conversion and Management</i> , 2009 , 50, 3104-3111	10.6	71
24	Calorimetric studies of the crystallization process in a-Se ₇₅ S ₂₅ Ag _x chalcogenide glasses. <i>Current Applied Physics</i> , 2009 , 9, 567-572	2.6	21
23	New smart conducting elastomer blends of Bi-based superconductor ceramics nanoparticles reinforced natural rubber/low-density polyethylene for double thermistors, antistatic protectors, and electromagnetic interference shielding effectiveness applications. <i>Polymer Engineering and Science</i> , 2009 , 49, 592-601	2.3	18
22	Laser-induced changes on optical band gap of amorphous and crystallized thin films of Se ₇₅ S ₂₅ Ag _x . <i>Physica B: Condensed Matter</i> , 2009 , 404, 4262-4266	2.8	15
21	Estimation of global solar radiation on horizontal surfaces in Jeddah, Saudi Arabia. <i>Energy Policy</i> , 2009 , 37, 3645-3649	7.2	58
20	A study of optical properties of hydrogenated microcrystalline silicon films prepared by plasma enhanced chemical vapor deposition technique at different conditions of excited power and pressure. <i>Vacuum</i> , 2009 , 83, 1023-1030	3.7	10
19	Effect of Ag incorporation on electrical and optical properties of Se ₈ chalcogenide thin films. <i>Physica B: Condensed Matter</i> , 2009 , 404, 1415-1419	2.8	17

18	Stability of new electrostatic discharge protection and electromagnetic wave shielding effectiveness from poly(vinyl chloride)/graphite/nickel nanoconducting composites. <i>Polymer Degradation and Stability</i> , 2009 , 94, 980-986	4.7	107
17	Active single basin solar still with a sensible storage medium. <i>Desalination</i> , 2009 , 249, 699-706	10.3	80
16	Thermal performance of a single basin solar still with PCM as a storage medium. <i>Applied Energy</i> , 2009 , 86, 1187-1195	10.7	254
15	Negative-differential-resistance effects in TlInTe ₂ ternary semiconductor. <i>Journal of Alloys and Compounds</i> , 2009 , 484, 561-566	5.7	7
14	Kinetics of Se ₇₅ S ₂₅ -Cd _x glassy system using differential scanning calorimeter. <i>Journal of Alloys and Compounds</i> , 2009 , 484, 649-653	5.7	11
13	Structure and optical properties of nanocrystalline NiO thin film synthesized by sol-gel spin-coating method. <i>Journal of Alloys and Compounds</i> , 2009 , 486, 9-13	5.7	172
12	Thermoelectric power (TEP) of layered chalcogenides GaTe crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008 , 94, 597-600	4.1	7
11	Optical band gap and optical constants in amorphous Se ₉₆ Te ₄ Ag _x thin films. <i>Vacuum</i> , 2006 , 80, 400-405.	5.7	72
10	Optical properties of thermally evaporated tin-phthalocyanine dichloride thin films, SnPcCl ₂ . <i>Physica B: Condensed Matter</i> , 2004 , 344, 398-406	2.8	72
9	Human papillomavirus DNA and TP53 mutations in lung cancers from butchers. <i>British Journal of Cancer</i> , 1995 , 72, 293-7	8.7	15
8	Cutaneous warts in butchers. <i>British Journal of Dermatology</i> , 1994 , 130, 9-14	4	68
7	Butchers' warts: no evidence for person to person transmission of HPV7. <i>British Journal of Dermatology</i> , 1994 , 130, 15-7	4	23
6	Ion beam excited luminescence of sapphire. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1990 , 46, 133-136	1.2	57
5	Luminescence characterisation of LiNbO ₃ . <i>Nuclear Instruments & Methods in Physics Research B</i> , 1988 , 32, 51-55	1.2	3
4	Negative Differential Resistance Behavior in n-Channel Organic Thin-Film Transistors Based on C ₆₀ and PTCDI-C8: Electrical Characterization and Parameter Extraction. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2100500	1.6	1
3	Combined effect of Phoenix dactylifera biodiesel and multiwalled carbon nanotube/titanium dioxide nanoparticles for modified diesel engines. <i>International Journal of Environmental Science and Technology</i> , 1	3.3	5
2	Synergy between Platinum and Gold Nanoparticles in Oxygen Activation for Enhanced Room-Temperature Formaldehyde Oxidation. <i>Advanced Functional Materials</i> , 2110423	15.6	1
1	C ₃ N ₄ /PDA S-Scheme Heterojunction with Enhanced Photocatalytic H ₂ O ₂ Production Performance and Its Mechanism. <i>Advanced Sustainable Systems</i> , 2200113	5.9	4

