

Ahmed A Al-Ghamdi

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4985581/ahmed-a-al-ghamdi-publications-by-citations.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	Heterojunction Photocatalysts. <i>Advanced Materials</i> , 2017 , 29, 1601694	24	2003
484	Direct Z-scheme photocatalysts: Principles, synthesis, and applications. <i>Materials Today</i> , 2018 , 21, 1042-1063	10.6	737
483	A Review of Direct Z-Scheme Photocatalysts. <i>Small Methods</i> , 2017 , 1, 1700080	12.8	663
482	Graphene in Photocatalysis: A Review. <i>Small</i> , 2016 , 12, 6640-6696	11	605
481	CdS/Graphene Nanocomposite Photocatalysts. <i>Advanced Energy Materials</i> , 2015 , 5, 1500010	21.8	584
480	New concept ultraviolet photodetectors. <i>Materials Today</i> , 2015 , 18, 493-502	21.8	428
479	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
478	TiO ₂ nanosheets with exposed {001} facets for photocatalytic applications. <i>Nano Research</i> , 2016 , 9, 3-27	10	283
477	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
476	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
475	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
474	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
473	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
472	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
471	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
470	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
469	Magnetic Drug Delivery: Where the Field Is Going. <i>Frontiers in Chemistry</i> , 2018 , 6, 619	5	143

468	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
467	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
466	A new heterojunction in photocatalysis: S-scheme heterojunction. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 667-669	11.3	115
465	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
464	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
463	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
462	Nickel Cobaltite Nanostructures for Photoelectric and Catalytic Applications. <i>Small</i> , 2015 , 11, 4267-83	11	105
461	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
460	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
459	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
458	Hierarchical C/NiO-ZnO nanocomposite fibers with enhanced adsorption capacity for Congo red. <i>Journal of Colloid and Interface Science</i> , 2019 , 537, 736-745	9.3	94
457	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
456	Design of ruthenium/iron oxide nanoparticle mixtures for hydrogenation of nitrobenzene. <i>Catalysis Science and Technology</i> , 2015 , 5, 1902-1910	5.5	91
455	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
454	Dielectric properties of Fe doped hydroxyapatite prepared by sol-gel method. <i>Ceramics International</i> , 2014 , 40, 9395-9402	5.1	89
453	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
452	Piezoresistive behavior of graphite nanoplatelets based rubber nanocomposites. <i>Polymers for Advanced Technologies</i> , 2012 , 23, 478-482	3.2	84
451	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

450	Effect of cadmium addition on the optical constants of thermally evaporated amorphous Se ₈₀ Cd ₂₀ thin films. <i>Current Applied Physics</i> , 2010 , 10, 145-152	2.6	83
449	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
448	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
447	Photodiodes based on graphene oxide/silicon junctions. <i>Solar Energy</i> , 2012 , 86, 2961-2966	6.8	82
446	Different Technical Applications of Carbon Nanotubes. <i>Nanoscale Research Letters</i> , 2015 , 10, 358	5	81
445	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
444	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
443	Active single basin solar still with a sensible storage medium. <i>Desalination</i> , 2009 , 249, 699-706	10.3	80
442	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
441	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	9.5	78
440	Synthesis and optical properties of poly (vinyl acetate)/bismuth oxide nanorods. <i>Polymers for Advanced Technologies</i> , 2011 , 22, 2055-2061	3.2	78
439	Magnetically Recoverable Catalysts Based on Polyphenylenepyridyl Dendrons and Dendrimers. <i>RSC Advances</i> , 2014 , 4, 23271	3.7	77
438	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
437	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
436	Enhancement in the photocatalytic H ₂ production activity of CdS NRs by Ag ₂ S and NiS dual cocatalysts. <i>Applied Catalysis B: Environmental</i> , 2021 , 288, 119994	21.8	73
435	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	13	72
434	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
433	Optical band gap and optical constants in amorphous Se _{96-x} Te ₄ Ag _x thin films. <i>Vacuum</i> , 2006 , 80, 400-405	5.7	72

432	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
431	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
430	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
429	Polyphenylenepyridyl Dendrons with Functional Periphery and Focal Points: Syntheses and Applications. <i>Macromolecules</i> , 2013 , 46, 5890-5898	5.5	70
428	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
427	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
426	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
425	Synthesis and characterization of electropolymerized molecularly imprinted microporous polyaniline films for solar cell applications. <i>Polymer Composites</i> , 2013 , 34, 299-304	3	68
424	Cutaneous warts in butchers. <i>British Journal of Dermatology</i> , 1994 , 130, 9-14	4	68
423	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
422	3D BiOI/TiO ₂ composite with enhanced photocatalytic performance for phenol degradation under visible-light. <i>Ceramics International</i> , 2015 , 41, 3511-3517	5.1	66
421	NiFe-LDH nanosheet/carbon fiber nanocomposite with enhanced anionic dye adsorption performance. <i>Applied Surface Science</i> , 2020 , 511, 145570	6.7	66
420	Highly ferromagnetic, transparent conducting electrode based on Ce _{1-x} Tu _x O ₂ thin film for spintronic applications. <i>Ceramics International</i> , 2015 , 41, 9101-9106	5.1	65
419	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
418	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
417	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
416	One pot synthesis of graphene based on microwave assisted solvothermal technique. <i>Synthetic Metals</i> , 2015 , 200, 54-57	3.6	61
415	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

414	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 ^{3,2}	3.2	60
413	Estimation of global solar radiation on horizontal surfaces in Jeddah, Saudi Arabia. <i>Energy Policy</i> , 2009 , 37, 3645-3649	7.2	58
412	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
411	Ion beam excited luminescence of sapphire. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1990 , 46, 133-136	1.2	57
410	Pt/C@MnO ₂ composite hierarchical hollow microspheres for catalytic formaldehyde decomposition at room temperature. <i>Applied Surface Science</i> , 2019 , 466, 301-308	6.7	57
409	Quenching induced hierarchical 3D porous g-CN with enhanced photocatalytic CO reduction activity. <i>Chemical Communications</i> , 2019 , 55, 14023-14026	5.8	56
408	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
407	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
406	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
405	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
404	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}	2.6	52
403	Electrochemical growth of GaSe nanostructures and their Schottky barrier characteristics. <i>Superlattices and Microstructures</i> , 2013 , 63, 162-167	2.8	52
402	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
401	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
400	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
399	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
398	Charge transport mechanism of graphite-nanosheet-loaded rubber nanocomposites. <i>Polymer International</i> , 2012 , 61, 51-54	3.3	49
397	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}	7.9	49

396	Synthesis and characterization of p-type transparent conducting Ni _{1-x} Ru _x O (0 ≤ x ≤ 0.1) films prepared by pulsed laser deposition. <i>Ceramics International</i> , 2019 , 45, 7984-7994	5.1	48
395	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
394	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
393	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
392	Thermal annealing effect of on optical constants of vacuum evaporated Se ₇₅ S ₂₅ Cd _x chalcogenide thin films. <i>Optics and Laser Technology</i> , 2010 , 42, 839-844	4.2	47
391	Graphene controlled organic photodetectors. <i>Synthetic Metals</i> , 2016 , 217, 43-56	3.6	44
390	Synthesis and optical characterization of nanocrystalline CdTe thin films. <i>Optics and Laser Technology</i> , 2010 , 42, 1181-1186	4.2	44
389	Rapid fabrication of nanostructured magnesium hydroxide and hydromagnesite via microwave-assisted technique. <i>Powder Technology</i> , 2013 , 234, 26-31	5.2	42
388	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
387	Controlling of dielectrical and optical properties of hydroxyapatite based bioceramics by Cd content. <i>Powder Technology</i> , 2013 , 245, 1-6	5.2	39
386	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
385	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
384	Adsorption of CO ₂ , O ₂ , NO and CO on s-triazine-based g-C ₃ N ₄ surface. <i>Catalysis Today</i> , 2019 , 335, 117-123	3.3	37
383	Development of nanoimprinted InP QDs decorated polyaniline solar cell with conversion efficiency 3%. <i>Organic Electronics</i> , 2013 , 14, 2762-2769	3.5	36
382	Photocatalytic Activity of Doped and Undoped Titanium Dioxide Nanoparticles Synthesised by Flame Spray Pyrolysis. <i>Platinum Metals Review</i> , 2013 , 57, 32-43		36
381	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
380	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
379	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

378	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
377	Single crystal ruthenium(II) complex dye based photodiode. <i>Dyes and Pigments</i> , 2016 , 132, 64-71	4.6	35
376	Collective effect of ternary nano fuel blends on the diesel engine performance and emissions characteristics. <i>Fuel</i> , 2021 , 293, 120420	7.1	34
375	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
374	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
373	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
372	Organic semiconductor photosensors. <i>Journal of Alloys and Compounds</i> , 2017 , 702, 520-530	5.7	31
371	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
370	New photodiodes based graphene-organic semiconductor hybrid materials. <i>Synthetic Metals</i> , 2016 , 213, 47-56	3.6	31
369	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
368	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
367	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
366	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
365	Ruthenium(II) Complex Based Photodiode for Organic Electronic Applications. <i>Journal of Electronic Materials</i> , 2018 , 47, 828-833	1.9	30
364	Organic photodetector with coumarin-adjustable photocurrent. <i>Synthetic Metals</i> , 2016 , 213, 65-72	3.6	30
363	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
362	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
361	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

360	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
359	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
358	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
357	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
356	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
355	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
354	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
353	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
352	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
351	Electromagnetic wave shielding and microwave absorbing properties of hybrid epoxy resin/foiated graphite nanocomposites. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 2227-2234	2.9	27
350	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
349	Optical characterization of nanocrystalline and chalcogenides. <i>Superlattices and Microstructures</i> , 2010 , 47, 695-704	2.8	27
348	The electrical characteristics of thin film transistors with graphene oxide and organic insulators. <i>Synthetic Metals</i> , 2015 , 199, 241-245	3.6	26
347	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
346	Series resistance controlling photosensor of Ag/DNA/p-Si/Al diode. <i>Synthetic Metals</i> , 2012 , 162, 981-987	3.6	26
345	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	2.9	26
344	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
343	Study of phase separation in Ga ₂₅ Se _{75-x} Tex chalcogenide thin films. <i>Progress in Natural Science: Materials International</i> , 2013 , 23, 139-144	3.6	25

342	Characterization of Se ₈₈ Te ₁₂ nanostructured chalcogenide prepared by ball milling. <i>Materials Letters</i> , 2010 , 64, 1391-1393	3.3	25
341	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
340	Ti doped amorphous carbon (Al/Ti-a:C/p-Si/Al) photodiodes for optoelectronic applications. <i>Journal of Molecular Structure</i> , 2018 , 1155, 813-818	3.4	24
339	High Photoresponsivity Ru-doped ZnO/p-Si Heterojunction Diodes by the Sol-gel Method. <i>Silicon</i> , 2018 , 10, 651-658	2.4	24
338	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
337	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
336	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
335	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
334	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
333	Electrical and optical properties of a-Se _x Te _{100-x} thin films. <i>Optics and Laser Technology</i> , 2012 , 44, 6-11	4.2	23
332	Butchers' warts: no evidence for person to person transmission of HPV7. <i>British Journal of Dermatology</i> , 1994 , 130, 15-7	4	23
331	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
330	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
329	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
328	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
327	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
326	Silicon based photodetector with Ru(II) complexes organic interlayer. <i>Materials Science in Semiconductor Processing</i> , 2019 , 91, 422-430	4.3	22
325	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

324	Graphene-cobalt phthalocyanine based on optoelectronic device for solar panel tracking systems. <i>Synthetic Metals</i> , 2015 , 206, 15-23	3.6	21
323	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
322	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
321	Calorimetric studies of the crystallization process in a-Se ₇₅ S ₂₅ -xAg _x chalcogenide glasses. <i>Current Applied Physics</i> , 2009 , 9, 567-572	2.6	21
320	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
319	Novel polyvinyl alcohol/silver hybrid nanocomposites for high performance electromagnetic wave shielding effectiveness. <i>Microsystem Technologies</i> , 2015 , 21, 859-868	1.7	20
318	Electronic and optoelectronic properties of Al/coumarin doped Pr ₂ Se ₃ /In ₂ Se ₃ /p-Si devices. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 12561-12572	2.1	20
317	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
316	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
315	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
314	The electrical characterization of ZnO/GaAs heterojunction diode. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014 , 64, 240-245	3	19
313	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
312	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
311	From phosphorus to phosphorene: Applications in disease theranostics. <i>Coordination Chemistry Reviews</i> , 2021 , 446, 214110	23.2	19
310	Novel organic doped inorganic photosensors. <i>Microelectronic Engineering</i> , 2016 , 160, 27-33	2.5	18
309	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
308	A functional material based photodiode for solar tracking systems. <i>Physica B: Condensed Matter</i> , 2017 , 520, 76-81	2.8	17
307	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

306	Modifying the Crystal Field of CsPbCl: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
305	Optoelectrical properties of Al/p-Si/Fe:N doped ZnO/Al diodes. <i>Thin Solid Films</i> , 2018 , 653, 236-248	2.2	17
304	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
303	Synthesis, magnetic and ethanol gas sensing properties of semiconducting magnetite nanoparticles. <i>Solid State Sciences</i> , 2013 , 19, 111-116	3.4	17
302	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
301	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
300	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
299	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
298	Cadmium Oxide: Titanium Dioxide Composite Based Photosensitive Diode. <i>Journal of Electronic Materials</i> , 2018 , 47, 7159-7169	1.9	17
297	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
296	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
295	Dielectric anisotropy and electrical properties of the copper phthalocyanine (CuPc): 4'-n-Heptylcyanobiphenyl (7CB) composite liquid crystals. <i>Composites Part B: Engineering</i> , 2014 , 56, 15-19	10	16
294	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
293	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
292	Frequency and electric field controllable photodevice: FYTRONIX device. <i>Physica B: Condensed Matter</i> , 2017 , 519, 53-58	2.8	15
291	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
290	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
289	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

288	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
287	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
286	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
285	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
284	Human papillomavirus DNA and TP53 mutations in lung cancers from butchers. <i>British Journal of Cancer</i> , 1995 , 72, 293-7	8.7	15
283	Effect of calcination and carbon incorporation on NiO nanowires for photodiode performance. <i>Microelectronic Engineering</i> , 2018 , 202, 51-59	2.5	15
282	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
281	Boron doped graphene based linear dynamic range photodiode. <i>Physica B: Condensed Matter</i> , 2018 , 545, 86-93	2.8	14
280	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
279	Properties of Natural Rubber-Based Composites Containing Fullerene. <i>International Journal of Polymer Science</i> , 2012 , 2012, 1-8	2.4	14
278	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
277	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
276	Design principle of S-scheme heterojunction photocatalyst. <i>Journal of Materials Science and Technology</i> , 2022 ,	9.1	14
275	Composite CuFeSnO/p-type silicon photodiodes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 180, 110-118	4.4	13
274	Heteroleptic neutral Ru(II) complexes based photodiodes. <i>Physica B: Condensed Matter</i> , 2017 , 516, 7-13	2.8	13
273	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}	2.8	13
272	Structural, Electrical and Photoresponse Properties of Si-based Diode with Organic Interfacial Layer Containing Novel Cyclotriphosphazene Compound. <i>Silicon</i> , 2018 , 10, 683-691	2.4	13
271	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

270	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
269	Novel photosensor based on carbon nitride thin films. <i>Materials Letters</i> , 2014 , 134, 149-151	3.3	13
268	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
267	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
266	Design and fabrication of dioxyphenylcoumarin substituted cyclotriphosphazene compounds photodiodes. <i>Physica B: Condensed Matter</i> , 2017 , 515, 8-17	2.8	12
265	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
264	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
263	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
262	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
261	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
260	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
259	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
258	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
257	Study of the switching phenomena of TlGaS ₂ single crystals. <i>Applied Surface Science</i> , 2011 , 257, 3205-3210	3.7	12
256	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
255	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
254	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
253	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

252	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
251	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
250	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
249	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
248	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
247	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
246	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
245	Kinetics of Se ₇₅ S ₂₅ -Cdx glassy system using differential scanning calorimeter. <i>Journal of Alloys and Compounds</i> , 2009 , 484, 649-653	5.7	11
244	Photoresponsivity and photodetectivity properties of copper complex-based photodiode. <i>Journal of Molecular Structure</i> , 2020 , 1200, 127062	3.4	11
243	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
242	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
241	A shape memory alloy based on photodiode for optoelectronic applications. <i>Journal of Alloys and Compounds</i> , 2018 , 743, 227-233	5.7	10
240	Graphene Oxide/Poly(3-hexylthiophene) Nanocomposite Thin-Film Phototransistor for Logic Circuit Applications. <i>Journal of Electronic Materials</i> , 2018 , 47, 2461-2467	1.9	10
239	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
238	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
237	Phase transformation kinetics and optical properties of Ga ₂ Se ₃ /Sb phase-change thin films. <i>Materials Science in Semiconductor Processing</i> , 2013 , 16, 884-892	4.3	10
236	Dye based photodiodes for solar energy applications. <i>Applied Physics A: Materials Science and Processing</i> , 2017 , 123, 1	2.6	10
235	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}	3.9	10

234	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
233	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
232	Morphology and Optical Properties of Thin Films of GaxSe _{100-x} Nanoparticles. <i>Nanoscience and Nanotechnology Letters</i> , 2011 , 3, 319-323	0.8	10
231	Thermal sensor based zinc oxide diode for low temperature applications. <i>Journal of Alloys and Compounds</i> , 2016 , 674, 277-288	5.7	10
230	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
229	Design of highly-active photocatalytic materials for solar fuel production. <i>Chemical Engineering Journal</i> , 2021 , 421, 127732	14.7	10
228	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
227	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
226	Photosensing properties of ruthenium(II) complex-based photodiode. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1	2.6	9
225	Electromagnetic interference shielding properties of nanocomposites for commercial electronic devices. <i>Microsystem Technologies</i> , 2015 , 21, 2397-2405	1.7	9
224	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
223	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
222	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
221	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
220	Influence of laser-irradiation on structural and optical properties of phase change Ga ₂₅ Se _{75-x} Tex thin films. <i>Materials Letters</i> , 2013 , 92, 424-426	3.3	9
219	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
218	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
217	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

216	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
215	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
214	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
213	Investigation of electrical properties of organophosphazene layer based photodiode. <i>Chemical Physics</i> , 2020 , 538, 110897	2.3	8
212	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
211	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
210	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
209	Logarithmic organic photodetectors. <i>Synthetic Metals</i> , 2015 , 210, 288-296	3.6	8
208	Comparative study of alpha + nucleus elastic scattering using different models. <i>International Journal of Modern Physics E</i> , 2015 , 24, 1550003	0.7	8
207	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
206	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
205	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
204	Nanostructure Lanthanum Doped Zinc Oxide Optical Materials. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2014 , 9, 624-634	1.3	8
203	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
202	Silver Nanowires Digital Printing for Inverted Flexible Semi-Transparent Solar Cells. <i>Advanced Engineering Materials</i> , 2021 , 23, 2001305	3.5	8
201	Enhanced performance of CH ₃ NH ₃ PbI ₃ perovskite solar cells by excess halide modification. <i>Applied Surface Science</i> , 2021 , 564, 150464	6.7	8
200	Synthesis of Ti ₃ C ₂ F _x MXene with controllable fluorination by electrochemical etching for lithium-ion batteries applications. <i>Ceramics International</i> , 2021 , 47, 28642-28649	5.1	8
199	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

198	Bismuth Borate Glass Based Nuclear Materials. <i>Silicon</i> , 2018 , 10, 1195-1201	2.4	7
197	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
196	Thermophysical properties of foliated graphite/nickel reinforced polyvinyl chloride nanocomposites. <i>Journal of Applied Polymer Science</i> , 2012 , 124, 1144-1153	2.9	7
195	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
194	Analysis of photoconductive mechanisms of organic-on-inorganic photodiodes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017 , 93, 284-290	3	7
193	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
192	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
191	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
190	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
189	Negative-differential-resistance effects in TlInTe ₂ ternary semiconductor. <i>Journal of Alloys and Compounds</i> , 2009 , 484, 561-566	5.7	7
188	Thermoelectric power (TEP) of layered chalcogenides GaTe crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008 , 94, 597-600	4.1	7
187	Nanostructure Engineering via Intramolecular Construction of Carbon Nitride as Efficient Photocatalyst for CO Reduction.. <i>Nanomaterials</i> , 2021 , 11,	5.4	7
186	A comparative study on the performance of hybrid solar cells containing ZnSTe QDs in hole transporting layer and photoactive layer. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	7
185	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
184	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
183	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
182	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
181	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

180	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
179	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
178	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
177	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
176	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
175	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
174	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
173	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
172	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
171	Pressure Sensors Based on Polyvinyl Chloride/Graphite/Nickel Nanocomposites. <i>Journal of Elastomers and Plastics</i> , 2011 , 43, 137-153	1.6	6
170	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
169	Optical Properties of Few-Layer TiCN MXene: From Experimental Observations to Theoretical Calculations.. <i>ACS Nano</i> , 2022 ,	16.7	6
168	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
167	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
166	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
165	S-scheme Heterojunction Photocatalyst for CO ₂ Photoreduction. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2020 , 2010024-0	3.8	6
164	Contact resistance corrected-electrical characteristics with channel length effects in E-conjugated small-molecule benzanthracene organic thin film transistors. <i>Synthetic Metals</i> , 2021 , 273, 116670	3.6	6
163	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

162	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
161	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
160	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
159	A flexible broadband antenna for IoT applications. <i>International Journal of Microwave and Wireless Technologies</i> , 2020 , 12, 531-540	0.8	5
158	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
157	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
156	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
155	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
154	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
153	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
152	Miniaturized Wearable Antennas with Improved Radiation Efficiency Using Magneto-dielectric Composites. <i>IETE Journal of Research</i> , 2019 , 1-11	0.9	5
151	Field emission study of MWCNT/conducting polymer nanocomposite. <i>Physica B: Condensed Matter</i> , 2014 , 454, 31-34	2.8	5
150	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
149	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
148	Temperature dependant structural and electrical properties of ZnO nanowire networks. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 68-74	1.3	5
147	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
146	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
145	New type of Schottky diode-based Cu ₂ AlNiCr shape memory material films. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	5

144	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
143	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> , 2019 , 11, 123-130	3.3	5
142	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
141	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
140	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
139	Field Effect Transistor Using Carbon Nanotubes and DNA as Electrical Gate. <i>Brazilian Journal of Physics</i> , 2017 , 47, 34-41	1.2	4
138	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
137	High quantum yield Cu doped CdSe quantum dots. <i>Materials Research Express</i> , 2019 , 6, 0850d4	1.7	4
136	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
135	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
134	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
133	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
132	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
131	Crystallization kinetics in as-synthesis high yield of a-Se ₁₀₀ Tex nanorods. <i>Materials Chemistry and Physics</i> , 2012 , 134, 260-265	4.4	4
130	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
129	Insecticidal effects of pure and silver-doped copper oxide nanosheets on Spodoptera littoralis (Lepidoptera: Noctuidae). <i>Canadian Entomologist</i> , 2017 , 149, 677-690	0.7	4
128	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
127	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

126	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
125	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
124	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
123	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
122	Ultra-Violet Electroluminescence of ZnO Nanorods/MEH-PPV Heterojunctions by Optimizing Their Thickness and Using AZO as a Transparent Conductive Electrode. <i>Materials</i> , 2019 , 12,	3.5	4
121	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
120	MXene-based mixed-dimensional Schottky heterojunction towards self-powered flexible high-performance photodetector. <i>Materials Today Physics</i> , 2021 , 21, 100479	8	4
119	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
118	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
117	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
116	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
115	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
114	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
113	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
112	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
111	Luminescence characterisation of LiNbO ₃ . <i>Nuclear Instruments & Methods in Physics Research B</i> , 1988 , 32, 51-55	1.2	3
110	Recent Advancement of the Current Aspects of g-C ₃ N ₄ for its Photocatalytic Applications in Sustainable Energy System.. <i>Chemical Record</i> , 2022 , e202100310	6.6	3
109	Nanocrystalline ZnO Flakes for Photovoltaic Device Applications. <i>Advanced Science Letters</i> , 2010 , 3, 543-547		3

108	Electrical Conductivity Properties of Polyvinyl Alcohol: Graphene Nanocomposites. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2014 , 9, 678-684	1.3	3
107	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
106	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
105	Analysis of 6Li Scattering at 240 MeV Using Different Nuclear Potentials. <i>Brazilian Journal of Physics</i> , 2016 , 46, 334-340	1.2	3
104	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
103	2D materials for bone therapy. <i>Advanced Drug Delivery Reviews</i> , 2021 , 178, 113970	18.5	3
102	Tailoring the ultrafast and nonlinear photonics of MXenes through elemental replacement. <i>Nanoscale</i> , 2021 , 13, 15891-15898	7.7	3
101	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
100	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
99	Characterization and Modeling of Nano-organic Thin Film Phototransistors Based on 6,13(Triisopropylsilylethynyl)-Pentacene: Photovoltaic Effect. <i>Journal of Electronic Materials</i> , 2017 , 46, 2221-2231	1.9	2
98	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
97	Synthesis and optical properties of Cd _{1-x} Te (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
96	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
95	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
94	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
93	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
92	Metallo-Phthalocyanines Based Photocapacitors. <i>Silicon</i> , 2019 , 11, 1275-1286	2.4	2
91	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

90	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
89	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
88	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
87	Control of ZnO Nanostructures via Vapor Transport. <i>Chemical Vapor Deposition</i> , 2012 , 18, 282-288		2
86	Improvement of Efficiency in CdS Quantum Dots Sensitized Solar Cells. <i>Acta Physica Polonica A</i> , 2013 , 124, 750-754	0.6	2
85	Kinetics of phase transformation in nanostructured Ga-Se-Te glasses. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 2001-7	1.3	2
84	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
83	Electrical energy from foods. <i>Journal of Renewable and Sustainable Energy</i> , 2011 , 3, 063106	2.5	2
82	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
81	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
80	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
79	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
78	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
77	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
76	Ambipolar small molecular semiconductor-based heterojunction diode. <i>Synthetic Metals</i> , 2016 , 221, 48-54	4.6	2
75	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
74	Flexible polymer/fabric fractal monopole antenna for wideband applications. <i>IET Microwaves, Antennas and Propagation</i> , 2021 , 15, 80-92	1.6	2
73	Development of multicolor In _{1-x} Al _x P 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

72	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
71	Characterization of Si quantum dots synthesized at various operating pressures for photovoltaic application. <i>Materials Research Express</i> , 2018 , 5, 125024	1.7	2
70	Photocatalytic antibacterial and osteoinductivity. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 1051-1053	11.3	2
69	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
68	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
67	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
66	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
65	Optical Capacitance/Conductance-Voltage Characteristics of Stored Charges in Organic Light-Emitting Diodes. <i>Molecules</i> , 2020 , 25,	4.8	1
64	The optoelectronic properties of developed p-n junction on the textured silicon surface for improving the solar cell performance. <i>Optik</i> , 2018 , 156, 778-783	2.5	1
63	Evaluation of the charge carriers transportation through the grown MgFe ₂ O ₄ on the nanotextured silicon surface in the presence of hydrogen gases. <i>Optik</i> , 2018 , 158, 923-932	2.5	1
62	A Functional Material Based Heterojunction Diode. <i>Silicon</i> , 2018 , 10, 737-746	2.4	1
61	Microwave properties of natural rubber based composites containing carbon black-magnetite hybrid fillers. <i>Science and Engineering of Composite Materials</i> , 2018 , 25, 611-620	1.5	1
60	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
59	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
58	Electrocatalytic Oxidation of Methanol on an Pd/Pyy/Niad-atoms Electrode. <i>Journal of Fuel Cell Science and Technology</i> , 2013 , 10,		1
57	Electrocatalytic Reduction of Oxygen on Ni/Graphite Nanoparticles. <i>Journal of Fuel Cell Science and Technology</i> , 2012 , 9,		1
56	Amorphous GdN buffer-layer-enhanced switching properties of Gd switchable mirrors. <i>Solid State Sciences</i> , 2010 , 12, 2130-2133	3.4	1
55	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

54	Negative Differential Resistance Behavior in n-Channel Organic Thin-Film Transistors Based on C60 and PTCDI-C8: Electrical Characterization and Parameter Extraction. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2100500	1.6	1
53	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
52	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
51	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
50	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
49	ACC_TEST: Hybrid Testing Approach for OpenACC-Based Programs. <i>IEEE Access</i> , 2020, 8, 80358-80368	3.5	1
48	Synthesis and optical characterization of multi-emission NixYb1-xO 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
47	Using chaos indicators to determine vaccine influence on epidemic stabilization. <i>Physical Review E</i> , 2021, 103, 032212	2.4	1
46	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
45	Synthesis and characterization of surface patterned nanoimprinted in 1% CrxP/P(VDF-TrFE) nanocomposite films for solar cell application potential. <i>Polymer Composites</i> , 2019, 40, E136	3	1
44	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
43	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
42	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
41	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
40	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
39	Synergy between Platinum and Gold Nanoparticles in Oxygen Activation for Enhanced Room-Temperature Formaldehyde Oxidation. <i>Advanced Functional Materials</i> , 2110423	15.6	1
38	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
37	Ag enhances optical and switching properties of gadolinium hydride films. <i>Journal of Alloys and Compounds</i> , 2010, 504, 233-236	5.7	0

36	Facile Synthesis of Iron-Based MOFs MIL-100(Fe) as Heterogeneous Catalyst in Kabachnick Reaction. <i>Catalysts</i> , 2021 , 11, 1451	4	0
35	A Flexible Multiband Antenna for Biomedical Telemetry. <i>IETE Journal of Research</i> , 2020 , 1-14	0.9	0
34	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
33	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
32	The photovoltaic application and optics of ZnO/CdO and ZnO/NiO nanocomposite binary system 2022 , 207190		0
31	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
30	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
29	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
28	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
27	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
26	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	
25	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	
24	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	
23	Development of lasing QD nanostructures with highly luminescent emission spectra based on In _{1-x} Sc _x P QDs prepared via tetradecanoic acid assisted wet chemical route for laser diode applications. <i>Optik</i> , 2020 , 208, 164523	2.5	
22	The impact of light photons on silver nanophotonic crystals synthesized via ascorbic acid assisted colloidal approach. <i>Optik</i> , 2020 , 207, 164381	2.5	
21	One pot synthesis of highly luminescent Cd _{1-x} Os _x Te (0 ≤ x ≤ 1) nanocrystals synthesized via poly(9,9-dioctylfluorene-alt-benzothiadiazole) assisted polyol approach. <i>Optik</i> , 2020 , 208, 164524	2.5	
20	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	
19	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	

18	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
17	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
16	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
15	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
14	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
13	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
12	Rubber-ceramic composites applicable in flexible antennas. <i>Journal of Polymer Engineering</i> , 2020 , 40, 666-675	1.4
11	The optical performance of Cd _{1-x} Tm _x Te (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
10	The luminescence behavior of Zn _{1-x} Ta _x O nanophotonic crystals prepared via Di-N-(2-hydroxyethyl)oleylamin assisted microwave approach. <i>Optik</i> , 2020 , 212, 164719	2.5
9	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
8	The optoelectronic properties of c-oriented surface patterned Zn _{1-x} Cr _x O thin films developed via trifluoroacetic acid assisted solvothermal approach for selective blue light photodiode. <i>Optics and Laser Technology</i> , 2019 , 111, 515-522	4.2
7	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
6	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
5	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
4	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
3	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
2	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
1	Structure and composition characterization of biocomposites filled with sol-gel bioglasses from the CaO/Bi ₂ O ₃ /2P ₂ O ₅ /Ag ₂ O systems. <i>Journal of Rubber Research (Kuala Lumpur, Malaysia)</i> , 2021 , 24, 77-92	0.9

