

Messai Adenew Mamo

List of Publications by Year in descending order

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33
papers

760
citations

566801

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33
times ranked

1304
citing authors

#	ARTICLE	IF	CITATIONS
1	A DFT study of two-dimensional CdS/TiS ₂ on isotropic chalcogenide AgSbTe ₂ thermoelectric material: Electronic charge transfer and optical properties. <i>Current Applied Physics</i> , 2022, 40, 50-61.	1.1	2
2	Stacked Multilayer Organic WORM Memory with Epoxy Resin and Carbon Nanospheres. <i>Journal of Electronic Materials</i> , 2020, 49, 5600-5605.	1.0	1
3	The effects of two-dimensional TiSe ₂ on the thermoelectric, electronic and optical response of Yb ₁₄ MnSb ₁₁ /AlSb ₉ Yb ₁₁ heterostructures – A theoretical study. <i>Journal of Molecular Graphics and Modelling</i> , 2019, 86, 179-191.	1.3	3
4	Organic WORM memory with carbon nanoparticle/epoxy active layer. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	33
5	DFT Study of Skutterudite CoSb ₃ and In _{0.2} Co ₄ Sb ₁₂ Thermoelectric Heterostructures with 2D-WSe ₂ . <i>ChemistrySelect</i> , 2018, 3, 9336-9347.	0.7	3
6	Synthesis and characterization of mesoporous titania using a synthetic (Pluronic P123) and a natural (Gum Arabic) templating agent. <i>Materials Today: Proceedings</i> , 2018, 5, 10585-10591.	0.9	4
7	A first-principles study of half-Heusler intermetallic compound MgAgAs with 2D-TiC/2D-Mo ₂ TiC composite material. <i>Theoretical Chemistry Accounts</i> , 2018, 137, 1.	0.5	1
8	Recent progress in gelatin hydrogel nanocomposites for water purification and beyond. <i>Vacuum</i> , 2017, 146, 396-408.	1.6	113
9	Progress in lignin hydrogels and nanocomposites for water purification: Future perspectives. <i>Vacuum</i> , 2017, 146, 342-355.	1.6	138
10	Epoxy resin in organic WORM memories: From capsuling to the active layer. <i>Organic Electronics</i> , 2016, 34, 57-66.	1.4	6
11	Palladium-decorated zinc sulfide/reduced graphene oxide nanocomposites for enhanced visible light-driven photodegradation of indigo carmine. <i>Materials Science in Semiconductor Processing</i> , 2015, 33, 119-126.	1.9	32
12	Cobalt-doped ZnS-reduced graphene oxide nanocomposite as an advanced photocatalytic material. <i>Journal of Porous Materials</i> , 2015, 22, 47-56.	1.3	35
13	A surfactant dispersed N-doped carbon sphere-poly(vinyl alcohol) composite as relative humidity sensor. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 4198-4201.	1.1	19
14	Nd,N,S-TiO ₂ Decorated on Reduced Graphene Oxide for a Visible Light Active Photocatalyst for Dye Degradation: Comparison to Its MWCNT/Nd,N,S-TiO ₂ Analogue. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 14329-14338.	1.8	64
15	Undoped, nitrogen-doped and boron-doped multiwalled carbon nanotube/poly(vinyl alcohol) composite as active layer in simple hydrostatic pressure sensors. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 3995-4000.	1.1	6
16	Polymer composite of poly(vinyl phenol)-reduced graphene oxide reduced by vitamin C in low energy consuming write-once-read-many times memory devices. <i>Organic Electronics</i> , 2013, 14, 175-181.	1.4	54
17	Tristimulus mathematical treatment application for monitoring fungi infestation evolution in melon using the electrical response of carbon nanostructure-polymer composite based sensors. <i>Sensors and Actuators B: Chemical</i> , 2013, 188, 378-384.	4.0	7
18	Nitrogen-doped, boron-doped and undoped multiwalled carbon nanotube/polymer composites in WORM memory devices. <i>Nanotechnology</i> , 2013, 24, 125203.	1.3	18

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19	Synthesis of C60-containing Polymers by Ring-opening Metathesis Co-polymerization of a C60-cyclopentadiene Cycloadduct and N-(cycloheptyl)-endo-norbornene-5,6-dicarboximide and their Application in a Photovoltaic Device. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 198-212.	1.0	6
20	Functionalized Spherical Carbon Nanostructure/Poly(vinylphenol) Composites for Application in Low Power Consumption Write-Once-Read-Many Times Memories. Journal of Nanoscience and Nanotechnology, 2013, 13, 5680-5686.	0.9	4
21	Tubular shaped composites made from polythiophene covalently linked to Prato functionalized N-doped carbon nanotubes. Synthetic Metals, 2012, 162, 2307-2315.	2.1	12
22	Nanocomposites of gold and poly(3-hexylthiophene) containing fullerene moieties: Synthesis, characterization and application in solar cells. Journal of Power Sources, 2012, 215, 99-108.	4.0	18
23	Improved electronic and magnetic properties of reduced graphene oxide films. Europhysics Letters, 2012, 97, 38001.	0.7	39
24	Electronic Detection of Drechslera sp. Fungi in Charentais Melon (Cucumis melo Naudin) Using Carbon-Nanostructure-Based Sensors. Journal of Agricultural and Food Chemistry, 2012, 60, 10420-10425.	2.4	9
25	A comparative study on hydrostatic pressure response of sensors based on N-doped, B-doped and undoped carbon-sphere poly (vinyl alcohol) composites. Journal of Materials Science: Materials in Electronics, 2012, 23, 1332-1337.	1.1	9
26	The OFF to ON switching time and ON state consolidation in write-once-read-many-times memory devices based on doped and undoped carbon-sphere/polymer composites. Thin Solid Films, 2012, 520, 4427-4431.	0.8	19
27	Composites of Polyvinyl Alcohol and Carbon (Coils, Undoped and Nitrogen Doped Multiwalled) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Nanotechnology, 2011, 11, 10211-10218.	0.9	20
28	Simple write-once-read-many-times memory device based on a carbon sphere-poly(vinylphenol) composite. Organic Electronics, 2010, 11, 1858-1863.	1.4	27
29	Hydrostatic pressure sensor based on carbon sphere " polyvinyl alcohol composites. Organic Electronics, 2010, 11, 1736-1739.	1.4	22
30	The anti-tumour properties and biodistribution (as determined by the radiolabeled equivalent) of Au-compounds intended as potential chemotherapeutics. Applied Radiation and Isotopes, 2009, 67, 1370-1376.	0.7	6
31	The In Vitro Antitumour Activity of Novel, Mitochondrial-Interactive, Gold-Based Lipophilic Cations. Metal-Based Drugs, 2008, 2008, 1-5.	3.8	7
32	Synthesis and characterisation of dialkyltin 2,3-bis(diphenylphosphino)maleic acid adducts. Journal of Organometallic Chemistry, 2006, 691, 717-725.	0.8	14
33	Synthesis of phosphine stabilised group 11 1-azaallyl complexes; molecular structure of. Polyhedron, 2004, 23, 2273-2280.	1.0	9