

Johnson K Efavi

List of Publications by Year in descending order

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36
papers

569
citations

687220

13
h-index

642610

23
g-index

36
all docs

36
docs citations

36
times ranked

678
citing authors

#	ARTICLE	IF	CITATIONS
1	Modified halloysite nanoclay as a vehicle for sustained drug delivery. <i>Heliyon</i> , 2018, 4, e00689.	1.4	67
2	0.86-nm CET Gate Stacks With Epitaxial Gd_2O_3 High- κ Dielectrics and FUSI NiSi Metal Electrodes. <i>IEEE Electron Device Letters</i> , 2006, 27, 814-816.	2.2	43
3	CMOS integration of epitaxial Gd_2O_3 high- κ gate dielectrics. <i>Solid-State Electronics</i> , 2006, 50, 979-985.	0.8	41
4	Characterization and Evaluation of Zeolite A/ Fe_3O_4 Nanocomposite as a Potential Adsorbent for Removal of Organic Molecules from Wastewater. <i>Journal of Chemistry</i> , 2019, 2019, 1-13.	0.9	36
5	Nanoscale TiN metal gate technology for CMOS integration. <i>Microelectronic Engineering</i> , 2006, 83, 1551-1554.	1.1	32
6	The effect of NaOH catalyst concentration and extraction time on the yield and properties of <i>Citrullus vulgaris</i> seed oil as a potential biodiesel feed stock. <i>South African Journal of Chemical Engineering</i> , 2018, 25, 98-102.	1.2	32
7	Ag_2CO_3 -halloysite nanotubes composite with enhanced removal efficiency for water soluble dyes. <i>Heliyon</i> , 2019, 5, e01969.	1.4	28
8	Synthesis of TiO_2 - Ag_3PO_4 photocatalyst material with high adsorption capacity and photocatalytic activity: application in the removal of dyes and pesticides. <i>RSC Advances</i> , 2021, 11, 17032-17045.	1.7	27
9	Characterisation and identification of local kaolin clay from Ghana: A potential material for electroporcelain insulator fabrication. <i>Applied Clay Science</i> , 2017, 150, 125-130.	2.6	25
10	Synthesis and characterisation of zeolite-A and Zn-exchanged zeolite-A based on natural aluminosilicates and their potential applications. <i>Cogent Engineering</i> , 2018, 5, 1440480.	1.1	23
11	Synthesis and kinetic adsorption characteristics of Zeolite/ CeO_2 nanocomposite. <i>Scientific African</i> , 2020, 7, e00257.	0.7	23
12	Investigation of MOS capacitors and SOI-MOSFETs with epitaxial gadolinium oxide (Gd_2O_3) and titanium nitride (TiN) electrodes. <i>Solid-State Electronics</i> , 2007, 51, 617-621.	0.8	18
13	Tungsten work function engineering for dual metal gate nano-CMOS. <i>Journal of Materials Science: Materials in Electronics</i> , 2005, 16, 433-436.	1.1	17
14	Photocatalytic degradation of fractionated crude oil: potential application in oil spill remediation. <i>Cogent Engineering</i> , 2020, 7, 1744944.	1.1	15
15	Synthesis and Application of Fe-Doped TiO_2 -Halloysite Nanotubes Composite and Their Potential Application in Water Treatment. <i>Advances in Materials Science and Engineering</i> , 2019, 2019, 1-15.	1.0	13
16	Effect of Magnesium and Sodium Salts on the Interfacial Characteristics of Soybean Lecithin Dispersants. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 12608-12620.	1.8	12
17	Introduction of crystalline high- κ gate dielectrics in a CMOS process. <i>Journal of Non-Crystalline Solids</i> , 2005, 351, 1885-1889.	1.5	11
18	Scalable gate first process for silicon on insulator metal oxide semiconductor field effect transistors with epitaxial high- κ dielectrics. <i>Journal of Vacuum Science & Technology B</i> , 2006, 24, 710.	1.3	11

#	ARTICLE	IF	CITATIONS
19	Formation of Chitosan Nanoparticles Using Deacetylated Chitin Isolated from Freshwater Algae and Locally Synthesized Zeolite A and their Influence on Cancer Cell Growth. <i>Journal of Nano Research</i> , 0, 48, 156-170.	0.8	11
20	Low-temperature conductance measurements of surface states in HfO ₂ /Si structures with different gate materials. <i>Materials Science in Semiconductor Processing</i> , 2006, 9, 980-984.	1.9	10
21	Synthesis and microstructural characterization of kaolin-polyethylene composites. <i>Polymer Composites</i> , 2014, 35, 1507-1515.	2.3	9
22	Nickel-silicide process for ultra-thin-body SOI-MOSFETs. <i>Microelectronic Engineering</i> , 2005, 82, 497-502.	1.1	8
23	Impact of Al-, Ni-, TiN-, and Mo-metal gates on MOCVD-grown HfO ₂ and ZrO ₂ high- κ dielectrics. <i>Microelectronics Reliability</i> , 2007, 47, 536-539.	0.9	8
24	Processing and evaluation of metal gate/high- κ /Si capacitors incorporating Al, Ni, TiN, and Mo as metal gate, and ZrO ₂ and HfO ₂ as high- κ dielectric. <i>Microelectronic Engineering</i> , 2007, 84, 1635-1638.	1.1	7
25	Comparison of metal gate electrodes on MOCVD HfO ₂ . <i>Microelectronics Reliability</i> , 2005, 45, 953-956.	0.9	6
26	Potential Application of Dioctyl Sodium Sulfosuccinate Salt (DOSS) as Saponin Binary Dispersant in Oil Spill Remediation: Synergistic Interaction Between DOSS and Saponin. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	6
27	Investigation of high-K gate stacks with epitaxial Gd ₂ O ₃ and FUSI NiSi metal gates down to CET=0.86nm. <i>Materials Science in Semiconductor Processing</i> , 2006, 9, 904-908.	1.9	5
28	A study of polybromide chain formation using carbon nanomaterials via density functional theory approach. <i>Cogent Engineering</i> , 2016, 3, 1261509.	1.1	5
29	Characterization and Inhibitory Effects of Magnetic Iron Oxide Nanoparticles Synthesized from Plant Extracts on HeLa Cells. <i>International Journal of Biomaterials</i> , 2020, 2020, 1-11.	1.1	4
30	Influence of preferred orientation on the bioactivity of hydroxyapatite: a potential tooth repair and implant surface coating material. <i>Ceramica</i> , 2020, 66, 340-346.	0.3	4
31	Investigation of NiAlN as gate-material for submicron CMOS technology. <i>Microelectronic Engineering</i> , 2004, 76, 354-359.	1.1	3
32	Development and Comparative Analysis of Aluminosilicate Based Ceramic Filters for Ground Water Defluoridation. <i>Advanced Materials Research</i> , 2014, 936, 822-828.	0.3	2
33	Synthesis and Pore Structure Characterisation of Novel Mesoporous MgO-CeO ₂ /SBA-15 as a Potential Catalyst Support. <i>Materials Science Forum</i> , 2017, 900, 40-45.	0.3	2
34	Structural and Electronic properties of PVK/C60 Nanoheterostructure interfaces- A DFT Approach. <i>Surfaces and Interfaces</i> , 2020, 20, 100556.	1.5	2
35	Monodispersed AgNPs Synthesized from the Nanofactories of Theobroma cacao (Cocoa) Leaves and Pod Husk and Their Antimicrobial Activity. <i>International Journal of Biomaterials</i> , 2022, 2022, 1-9.	1.1	2
36	Impact of Al, Ni, and TiN Metal Gates On ZrO ₂ -MOS Capacitors. <i>ECS Transactions</i> , 2006, 1, 507-515.	0.3	1