

# Ahmed Ibrahim

## List of Publications by Year in descending order

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79  
papers

1,753  
citations

361413

20  
h-index

302126

39  
g-index

87  
all docs

87  
docs citations

87  
times ranked

2605  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pericardial Fat Is Independently Associated With Human Atrial Fibrillation. Journal of the American College of Cardiology, 2010, 56, 784-788.	2.8	330
2	Future challenges for smart cities: Cyber-security and digital forensics. Digital Investigation, 2017, 22, 3-13.	3.2	176
3	Optimal Performance of Dynamic Particle Swarm Optimization Based Maximum Power Trackers for Stand-Alone PV System Under Partial Shading Conditions. IEEE Access, 2020, 8, 20770-20785.	4.2	96
4	A Figure-of-Merit for Design and Optimization of Inductive Power Transmission Links for Millimeter-Sized Biomedical Implants. IEEE Transactions on Biomedical Circuits and Systems, 2016, 10, 1100-1111.	4.0	83
5	Enhancement of anticorrosion property of 304 stainless steel using silane coatings. Applied Surface Science, 2018, 440, 1286-1297.	6.1	69
6	Effects of annealing on copper substrate surface morphology and graphene growth by chemical vapor deposition. Carbon, 2015, 94, 369-377.	10.3	67
7	Modelling and Evaluation of Malicious Attacks against the IoT MQTT Protocol. , 2017, , .		53
8	A Comprehensive Comparative Study on Inductive and Ultrasonic Wireless Power Transmission to Biomedical Implants. IEEE Sensors Journal, 2018, 18, 3813-3826.	4.7	48
9	Behavioral and emotional effects of repeated general anesthesia in young children. Saudi Journal of Anaesthesia, 2015, 9, 161.	0.7	46
10	Denial of service attack detection through machine learning for the IoT. Journal of Information and Telecommunication, 2020, 4, 482-503.	2.8	44
11	Superhydrophobic and self-cleaning surfaces prepared from a commercial silane using a single-step drop-coating method. Progress in Organic Coatings, 2016, 99, 322-329.	3.9	43
12	Monolayer graphene transfer onto polypropylene and polyvinylidenedifluoride microfiltration membranes for water desalination. Desalination, 2016, 388, 29-37.	8.2	42
13	Investigation of the structural and mechanical properties of micro-/nano-sized Al <sub>2</sub> O <sub>3</sub> and cBN composites prepared by spark plasma sintering. Ceramics International, 2017, 43, 10645-10653.	4.8	42
14	Comparison of dexmedetomidine and dexamethasone for prevention of postoperative nausea and vomiting after laparoscopic cholecystectomy. Korean Journal of Anesthesiology, 2015, 68, 254.	2.5	36
15	Response times to conceptual questions. American Journal of Physics, 2013, 81, 703-706.	0.7	30
16	Gold nanoparticles incorporated SnO <sub>2</sub> thin film: highly responsive and selective detection of NO <sub>2</sub> at room temperature. Materials Letters, 2018, 214, 283-286.	2.6	26
17	Optimal design and analysis of DC-DC converter with maximum power controller for stand-alone PV system. Energy Reports, 2021, 7, 4951-4960.	5.1	25
18	A security review of local government using NIST CSF: a case study. Journal of Supercomputing, 2018, 74, 5171-5186.	3.6	23

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19	Tricuspid Regurgitation Associated With Aortic Mitral Regurgitation: Characterization, Evolution After Mitral Surgery, and Value of Tricuspid Repair. <i>Annals of Thoracic Surgery</i> , 2017, 104, 501-509.	1.3	21
20	A Cancelable Iris- and Steganography-Based User Authentication System for the Internet of Things. <i>Sensors</i> , 2019, 19, 2985.	3.8	21
21	Behavioral impact of sickle cell disease in young children with repeated hospitalization. <i>Saudi Journal of Anaesthesia</i> , 2014, 8, 504.	0.7	20
22	Teachers' Roles, Students' Personalities, Inquiry Learning Outcomes, and Practices of Science and Engineering: The Development and Validation of the McGill Attainment Value for Inquiry Engagement Survey in STEM Disciplines. <i>International Journal of Science and Mathematics Education</i> , 2017, 15, 1195-1215.	2.5	20
23	Fabrication of polysulfone nanocomposite membranes with silver-doped carbon nanotubes and their antifouling performance. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	20
24	Integration of Biometrics and Steganography: A Comprehensive Review. <i>Technologies</i> , 2019, 7, 34.	5.1	20
25	Study of the impact of chemical etching on Cu surface morphology, graphene growth and transfer on SiO <sub>2</sub> /Si substrate. <i>Carbon</i> , 2017, 123, 402-414.	10.3	19
26	Performance Enhancement of Micro Grid System with SMES Storage System Based on Mine Blast Optimization Algorithm. <i>Energies</i> , 2019, 12, 3110.	3.1	17
27	Daily Oral Arginine Plus Tadalafil in Diabetic Patients with Erectile Dysfunction: A Double-Blinded, Randomized, Controlled Clinical Trial. <i>Journal of Sexual Medicine</i> , 2019, 16, 1390-1397.	0.6	16
28	A 64-channel wireless implantable system-on-chip for gastric electrical-wave recording. , 2016, , .		15
29	Combination of interventions can change students' epistemological beliefs. <i>Physical Review Physics Education Research</i> , 2015, 11, .	1.7	15
30	Parameters identification and optimization of photovoltaic panels under real conditions using Lambert W-function. <i>Energy Reports</i> , 2021, 7, 9035-9045.	5.1	15
31	Association of group-specific component exon 11 polymorphisms with bronchial asthma in children and adolescents. <i>Scandinavian Journal of Immunology</i> , 2019, 89, e12740.	2.7	13
32	Comprehensive Validation of Transient Stability Calculations in Electric Power Systems and Hardware-Software Tool for Its Implementation. <i>IEEE Access</i> , 2020, 8, 136071-136091.	4.2	13
33	Determination of Global Maximum Power Point Tracking of PV under Partial Shading Using Cuckoo Search Algorithm. <i>Applied Solar Energy (English Translation of Geliotekhnika)</i> , 2019, 55, 367-375.	1.6	13
34	Incremental Prognostic Value of Global Longitudinal Strain and 18F-Fludeoxyglucose Positron Emission Tomography in Patients With Systemic Sarcoidosis. <i>American Journal of Cardiology</i> , 2017, 119, 1663-1669.	1.6	12
35	Safe inductive power transmission to millimeter-sized implantable microelectronics devices. , 2015, 2015, 817-20.		11
36	Room-temperature detection of hydrogen by platinum-decorated tin oxide thin films augmented by heat-treatment. <i>Vacuum</i> , 2018, 156, 68-77.	3.5	11

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37	Assessment of Model Predictive Voltage Control for Autonomous Four-Leg Inverter. IEEE Access, 2020, 8, 101163-101180.	4.2	11
38	Beta sub 2 sub -adrenergic receptor variants in children and adolescents with bronchial asthma. Frontiers in Bioscience - Elite, 2019, 11, 61-78.	1.8	11
39	Pattern of Blood Stream Infections within Neonatal Intensive Care Unit, Suez Canal University Hospital, Ismailia, Egypt. International Journal of Microbiology, 2014, 2014, 1-6.	2.3	10
40	Few-Layers Graphene Film and Copper Surface Morphology for Improved Corrosion Protection of Copper. Journal of Materials Engineering and Performance, 2019, 28, 5541-5550.	2.5	10
41	Analysis of application of back-to-back HVDC system in Tomsk electric power system. Energy Reports, 2020, 6, 438-444.	5.1	10
42	Lipid profile in Egyptian patients with coronary artery disease. Egyptian Heart Journal, 2013, 65, 79-85.	1.2	9
43	Design considerations for ultrasonic power transmission to millimeter-sized implantable microelectronics devices. , 2015, , .		9
44	Sodium-Losing Nephropathy. Journal of Urology, 1979, 121, 8-9.	0.4	8
45	Pre-service teachersâ€™ perceptions of effective inquiry instruction: are effective instruction and effective inquiry instruction essentially the same?. Instructional Science, 2012, 40, 119-139.	2.0	8
46	Development, validation, and factorial comparison of the McGill Self-Efficacy of Learners For Inquiry Engagement (McSELFIE) survey in natural science disciplines. International Journal of Science Education, 2016, 38, 2450-2476.	1.9	8
47	Synthesis of Graphene Based Membranes: Effect of Substrate Surface Properties on Monolayer Graphene Transfer. Materials, 2017, 10, 86.	2.9	8
48	Promising Hard Carbon Coatings on Cu Substrates: Corrosion and Tribological Performance with Theoretical Aspect. Journal of Materials Engineering and Performance, 2018, 27, 2306-2316.	2.5	8
49	Towards a highly-scalable wireless implantable system-on-a-chip for gastric electrophysiology. , 2015, 2015, 2689-92.		6
50	Power Balance Management of an Autonomous Hybrid Energy System Based on the Dual-Energy Storage. Energies, 2019, 12, 4690.	3.1	6
51	CFD-DEM modeling of geotextile clogging in tunnel drainage systems. Geotextiles and Geomembranes, 2022, 50, 932-945.	4.6	6
52	Inductive power transmission to millimeter-sized biomedical implants using printed spiral coils. , 2016, 2016, 4800-4803.		5
53	The effects of a teaching development institute for early career researchers on their intended teaching strategies, course design, beliefs about instructorsâ€™ and studentsâ€™ knowledge, and instructional self-efficacy: The case of the Teaching Institute at Johns Hopkins University. Studies in Educational Evaluation. 2020, 64, 100836.	2.3	5
54	Continuum-Based Approach to Model Particulate Soilâ€“Water Interaction: Model Validation and Insight into Internal Erosion. Processes, 2021, 9, 785.	2.8	5

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55	Biotin-thiamine responsive basal ganglia disease in the era of COVID-19 outbreak diagnosis not to be missed: A case report. <i>Brain and Development</i> , 2022, 44, 303-307.	1.1	5
56	Urinary Lithogenesis in Sudanese Patients: A Study on 125 Stone Formers. <i>Journal of Urology</i> , 1979, 121, 572-574.	0.4	4
57	Maximum power point tracking of partially shading PV system using cuckoo search algorithm. <i>International Journal of Power Electronics and Drive Systems</i> , 2018, 10, 1081.	0.6	4
58	Inductive and ultrasonic wireless power transmission to biomedical implants. , 2017, , .		3
59	<sc>ASAHI</sc>-related disorders: Description of 15 novel pediatric patients and expansion of the clinical phenotype. <i>Clinical Genetics</i> , 2020, 98, 598-605.	2.0	3
60	Modeling Wind Speed Based on Fractional Ornstein-Uhlenbeck Process. <i>Energies</i> , 2021, 14, 5561.	3.1	3
61	Preparation of graphene-coated anodic alumina substrates for selective molecular transport. <i>Carbon Letters</i> , 2020, 30, 23-33.	5.9	2
62	Pancreatic Iron Deposition Following the Role of Iron Loading Among Transfusion Dependent Sickle Cell Disease Egyptian Children and Young Adults. <i>Blood</i> , 2019, 134, 4828-4828.	1.4	2
63	&p&gt;The Effect of Serum Ferritin Level on Gonadal, Prolactin, Thyroid Hormones, and Thyroid Stimulating Hormone in Adult Males with Sickle Cell Anemia&p&gt;. <i>Journal of Blood Medicine</i> , 2020, Volume 11, 27-32.	1.7	2
64	Primary Osseous Metaplasia of Right Breast. <i>Open Journal of Pathology</i> , 2020, 10, 108-112.	0.2	2
65	Optimal parameters selection of particle swarm optimization based global maximum power point tracking of partially shaded PV. <i>Journal of Physics: Conference Series</i> , 2019, 1399, 022032.	0.4	1
66	Grid-Tied PV-BES system based on modified bat algorithm-FLC MPPT technique under uniform conditions. <i>Neural Computing and Applications</i> , 2021, 33, 14929-14943.	5.6	1
67	Primary Isolated Extra Nodal Esophageal Hodgkin Lymphoma in Diabetic Patient. <i>Journal of Cancer Therapy</i> , 2021, 12, 497-504.	0.4	1
68	Improved dead-time elimination method for three-phase power inverters. <i>International Journal of Power Electronics and Drive Systems</i> , 2020, 11, 1759.	0.6	1
69	Cyber Security for Network of Things (NoTs) in Military Systems. , 2020, , 231-249.		1
70	Impact of Cardiac Injury on the Clinical Outcome of Children with Convulsive Status Epilepticus. <i>Children</i> , 2022, 9, 122.	1.5	1
71	Cirrhotic Cardiomyopathy; Does It Really Exist?. <i>Journal of Cardiac Failure</i> , 2014, 20, S18-S19.	1.7	0
72	Sacrospinous colpopexy using Masson luethy needle holder. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2014, 179, 5-10.	1.1	0

#	ARTICLE	IF	CITATIONS
73	Application of 3D Delaunay Triangulation in Fingerprint Authentication System. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 291-298.	0.3	0
74	MANAGEMENT OF ST ELEVATION MYOCARDIAL INFARCTION IN THE SETTING OF A MYOCARDIAL BRIDGE: IS THERE ANY LIGHT AT THE END OF THE TUNNEL?. Journal of the American College of Cardiology, 2019, 73, 2406.	2.8	0
75	Research, Development and Application of Hybrid Model of Back-to-Back HVDC Link. IEEE Access, 2020, 8, 174860-174870.	4.2	0
76	Fracture of an Edwards Duromedics Mitral Prosthesis Leaflet. JACC: Case Reports, 2020, 2, 2202-2204.	0.6	0
77	Uncommon Location of a Papillary Fibroelastoma: Case Report. CJC Open, 2021, 3, 121-123.	1.5	0
78	Left ventricular dysfunction and cardiac autonomic imbalance in children with drug-resistant epilepsy. Epilepsy Research, 2021, 176, 106709.	1.6	0
79	Percutaneous Deactivation of Left Ventricular Assist Device HeartMate3 After Myocardial Recovery. SSRN Electronic Journal, 0, , .	0.4	0