

البحوث المنشورة لمنتسبي قسم هندسة التعدين

اسم البحث	اسم الباحث المنفرد او الباحث الاول	اسماء الباحثين المشاركين	سنة النشر	اسم المجلة او المؤتمر	الرابط الالكتروني للبحث او DOI
Future Expectations for Grouting in Six Wells Under the Body of Mosul Dam Based on the Engineering Classification and Qualitative Distribution Deduced Laboratory from Rock Core	Mohamed Alaa El-Din	Azealdeen Salih Hassan	1990	The 2nd scientific conference of the Mosul Dam Research Center	
Engineering classification of carbonate rock masses in the Sheikh Ibrahim Anticline, West Mosul	Azealdeen Salih Al-Jawadi	Nabil Youssef Al-Banna	2010	The 7th Periodic Scientific Conference of the Dams and Water Resources Research Center - University of Mosul - Iraq	
The effect of some geometrical properties of rocks on the distribution of stresses around the proposed Sheikh Ibrahim Tunnel - Southern Gezira Irrigation Project	Azealdeen Salih Al-Jawadi	Hadeer Ghazi Muhammad	2010	Iraqi National Journal of Earth Sciences	Vol. 10, No. 2, pp. 1-18
The effect of weathering on building stones used in some archaeological sites in northern Iraq	Azealdeen Salih Al-Jawadi	Nabil Youssef Al-Banna	2010	The 7th Periodic Scientific Conference of the Dams and Water Resources Research Center - University of Mosul - Iraq	
Geotechnical maps of the Western Canal and the Pumping Canal and their branches for the South Island Irrigation Project - Northwest Iraq	Hadeer Ghazi Muhammed	Azealdeen Salih Al-Jawadi Azealdeen Salih Al-Ezzo	2012	Iraqi National Journal of Earth Sciences	Vol. 12, No. 2, pp.1-12. (In Arabic)
Preliminary Study of the Characteristics of Injana Formation Clay Stone for Brick and Ceramic Industry	Azealdeen Salih Al-Jawadi	Salim Qassim Al-Naqib	2017	Asian Journal of Engineering and Technology	Volume 05 – Issue 04, pp. 93-99
Assessment of Slope Sliding Along the Road Linking Deira Kubra and Bajeel - Aqrah District - Northern Iraq	zealdeen Salih Al-Jawadi	Hadeer Ghazi Muhammad	2018	Proceedings of the 9th Periodic Scientific Conference of the Dams and Water Resources Research Center	University of Mosul, pp. 118-133. (In Arabic)
Qualifying the Geotechnical and Hydrological Characteristic of the Bandawaya Stream Valley- Northern Iraq	Azealdeen S Al-Jawadi	Yousra T Abdul Baqi Ali M Sulaiman	2020	Scientific Review – Engineering and Environmental Sciences	https://10.22630/PNIKS.2020.29.3.27

Vol. 20, No. 1, pp. 56-74	the Iraqi National Journal of Earth Sciences	2020	Thanoun Hamid al-Dabbagh	Azealdeen S Al- Jawadi	The Effects of Weathering on the Characteristics of the Limestone Used in the Construction of the Wall of the Tel Kaif Cemetery - Northern Iraq
https://10.1007/s40098-020-00497-1	Indian Geotechnical Journal, pp. 1-11, Springer India	2021	Thanoun Hamid al-Dabbagh Mohsen S Dawlat	Azealdeen S Al- Jawadi	Slope Assessment and Suggested Slope Design of the Bekhme Residential Complex in North Iraq
https://10.46717/igj.54.1A.6Ms-2021-01-27	The Iraqi Geological Journal, 54 (1A), pp. 55-68	2021		Azealdeen S Al- Jawadi	Theoretical Models of Slope Stability Analysis in The Maqlub Mountain Rock Cut Routes, North Iraq
https://10.46717/igj.54.1C.5Ms-2021-03-25	Iraqi Geological Journal, 54 (1C), pp. 53-65	2021	Azealdeen Salih Al-Jawadi, Hadeer Gh M Adeeb	Rayan Ghazi Thannoun	Three Dimensional Terrain Modeling for Tectonic Geomorphology of Chinara Anticline, Northern Iraq
https://10.24996/ijs.2021	Iraqi Journal of Science, Vol. 62, No. 5, p. 1562-1569	2021	Azealdeen Salih Al-Jawadi, Abdul Sattar A. Al-Sanjari	Sahad Ali Al- Talib	Impact of Gercus Formation Erosion and Rock Sliding on Duhok Dam Reservoir – Northern Iraq
https://10.46717/igj.54.2E.11Ms-2021-11-27	Iraqi Geological Journal, 54(2), pp. 164–175	2021	Azealdeen Salih Al-Jawadi, Al- Sanjari, A.S.A.	Alobadi, H.A.	Characteristics of Carbonate Rocks and Environmental Conditions of Some Caves, Northern Iraq
	Iraqi National Journal of Earth Science, Vol. 21, Issue 1, pp 42-53	2021	Salim Q. Al-Naqeeb, Thanoun A. Thanoun		Validity of Al-Fat'ha and Injana Formations Clay for the Manufacture of Bricks and Ceramics in Nineveh Governorate
	Arab Journal for Scientific Publishing (AJSP) / Special Edition, pp. 16-23.	2021	Azealdeen S Al-Jawadi	Rahma S. Al- Auqadi	Geological and geotechnical characteristics of hydroelectric power stations in the tourist stream valleys, N-Iraq
https://10.46717/igj.55.1A.7Ms-2022-01-26	Iraqi Geological Journal	2022	Adeeb, H.Gh.M., Al-Jawadi, A.S.	Thannoun, R.Gh.	Extractions Morphotectonic Features Using Satellite Data Processing and DEM-Derived Spatial Models
https://10.1088/1755-1315/1080/1/012018	2nd Conference of Western Iraqi Desert Geology and Surroundings (IDGC- 2021), IOP Conf. Series: Earth and Environmental Science 1080 (2022) 012018	2022	Sabah H. Ali, Hadeer Gh. M. Adeeb	Azealdeen S Al- Jawadi	Engineering Investigation of the Geological Problems for Old Mosul City by Remote Sensing and GIS

https://10.46717/igj.55.2C.11ms-2022-08-24	Iraqi Geological Journal, 55 (2C), 150-161	2022	S. Al-Jawadi, and Omar A. Ismaeel	Azhar Kh. S. Bety	Lineament Analysis by Using Remote Sensing and GIS Technique of Sangaw Area, Kurdistan Region, NE Iraq
https://doi.org/10.46717/igj.55.2F.16ms-2022-12-31	Iraqi Geological Journal, 55(2F), 224-233	2022	Saleh, D. Gh., and Younis, A.A.	Azealdeen S Al-Jawadi	Protection and Management of the Destroyed Heritage in the Old City of Mosul, Northern Iraq
https://doi:10.1088/1755-1315/1080/1/012018	2nd Conference of Western Iraqi Desert Geology and Surroundings (IDGC-2021), IOP Conf. Series: Earth and Environmental Science, 1080 (2022) 012018	2022	Ali, S.H., and Adeen, H.Gh.M	Azealdeen S Al-Jawadi	Engineering Investigation of the Geological Problems for Old Mosul City by Remote Sensing and GIS
https://doi:10.46717/igj.56.1C.19ms-2023-3-30	Iraqi Geological Journal, 56 (1C), pp. 277-290	2023	Al-Jawadi, A.S., and Al-Naqib, S.Q.	Al-Auqadi, R.S.	Petrographic and Geotechnical Aspects of the River Terraces at the University of Mosul as Buildings Foundations
http://dx.doi.org/10.1016/j.energy.2016.12.085	Energy	2017	Saad Mahmoud Raya K. Al-Dadah, Abdalqader Ahmad	Ahmed M. Daabo	Numerical investigation of pitch value on thermal performance of solar receiver for solar powered Brayton cycle application
http://dx.doi.org/10.1016/j.jclepro.2017.02.201	Journal of Cleaner Production	2017	Ahmed M. Daabo Evangelos Bellos Velimir Stefanovic Saad Mahmoud, Raya K. Al-Dadah	Sasa Pavlovic	Experimental and numerical investigation on the optical and thermal performance of solar parabolic dish and corrugated spiral cavity receiver
http://dx.doi.org/10.1016/j.energy.2016.08.025	Energy	2016	Saad Mahmoud Raya K. Al-Dadah,	Ahmed M. Daabo	The effect of receiver geometry on the optical performance of a small scale solar cavity receiver for parabolic dish applications
http://dx.doi.org/10.1016/j.apenergy.2016.07.064	Applied Energy	2016	Saad Mahmoud Raya K. Al-Dadah,	Ahmed M. Daabo	The optical efficiency of three different geometries of a small scale cavity receiver for concentrated solar applications
http://dx.doi.org/10.1016/j.applthermaleng.2017.03.125	Applied Thermal Engineering	2017	Saad Mahmoud, Raya K. Al-Dadah , Ayad M. Al Jubori Ali Bhar Ennil	Ahmed M. Daabo	Numerical analysis of small scale axial and radial turbines for solar powered Brayton cycle application
http://dx.doi.org/10.1016/j.applthermaleng.2017.03.093	Applied Thermal Engineering	2017	Abdalqader Ahmad Saad Mahmoud Raya K. Al-Dadah,	Ahmed M. Daabo	Parametric analysis of small scale cavity receiver with optimum shape for solar powered closed Brayton cycle applications

http://dx.doi.org/10.1016/j.enconman.2016.09.060	Energy Conversion and Management	2016	Ayad M. Al Jubori Saad Mahmoud, Raya K. Al-Dadah ,	Ahmed M. Daabo	Parametric study of efficient small-scale axial and radial turbines for solar powered Brayton cycle application
http://dx.doi.org/10.1016/j.applthermaleng.2016.09.147	Applied Thermal Engineering	2016	Ayad M. Al Jubori Saad Mahmoud, Raya K. Al-Dadah	Ahmed M. Daabo	Development of three-dimensional optimization of a small-scale radial turbine for solar powered Brayton cycle application
http://dx.doi.org/10.1016/j.apenergy.2016.12.169	Applied Energy	2016	Raya K. Al-Dadah Saad Mahmoud, Ahmed M. Daabo	Ayad M. Al Jubori	Modelling and parametric analysis of small-scale axial and radial outflow turbines for Organic Rankine Cycle applications
http://dx.doi.org/10.1016/j.enconman.2016.10.043	Energy Conversion and Management	2016	Ahmed M. Daabo Raya K. Al-Dadah Saad Mahmoud, Ali Bhar Ennil	Ayad M. Al Jubori	Development of micro-scale axial and radial turbines for low-temperature heat source driven organic Rankine cycle
https://proceedings.asmedigitalcollection.asme.org	Proceedings of the ASME 2018 12th International Conference on Energy Sustainability ES2018 June 24-28, 2018, Lake Buena Vista, FL, USA	2018	Raya K. Al-Dadah Saad Mahmoud,	Ahmed M. Daabo	Structural analysis of small scale radial turbine for solar powered Brayton cycle application
https://doi.org/10.1016/j.seta.2019.07.009	Sustainable Energy Technologies and Assessments	2019	Yaser S. Al-Molaa, Ammar Y. Al-Rawya, T. Lattimoreb	Ahmed M. Daabo	State of the art single-objective optimization of small scale cylindrical cavity receiver
https://doi.org/10.1016/j.seta.2019.100583	Sustainable Energy Technologies and Assessments	2020	Khalid E. Hammo Omar ,A.Mohammed, Ali A. Hassan	Ahmed M. Daabo	Performance investigation and design optimization of micro scale compressed air axial turbine for domestic solar powered Brayton cycle
https://doi.org/10.1016/j.est.2020.101496	Journal of Energy Storage	2020	Ambra Giovannelli, Khuram Pervez Muhammad S. Khan, A. ,Amber Arshad, Ahmed M. Daabo	Muhammad Anser Bashir	High-temperature phase change materials for short-term thermal energy storage in the solar receiver: Selection and analysis
https://doi.org/10.1016/j.tsep.2020.100554	Thermal Science and Engineering Progress	2020	Evangelos Bellos, Sasa Pavlovic, ,Muhammad Anser Bashird, Saad Mahmoud, Raya K. Al-Dadah	Ahmed M. Daabo	Characterization of a micro thermal cavity receiver – Experimental and analytical investigation
DOI 10.4108/eai.28-6-2020.2298158	Proceedings of the 1st International Multi-Disciplinary	2020	Nooraldeen Salih Raid A. Mahmood, Ahmed M. Daabo	Yaser S. Mahmood	A Review of a Mechanical Vapour Compression Refrigeration System: Environment and Performance Challenge
https://doi.org/10.1016/j.applthermaleng.2021.117179	Applied Thermal Engineering	2021	Ahmed M. Daabo Khuram Pervez ,Amber Muhammad Sajid Khan Adeel Arshad Hassan Elahi	Muhammad Anser Bashir	Effect of phase change materials on the short-term thermal storage in the solar receiver of dish-micro gas turbine systems: A numerical analysis
https://doi.org/10.1016/j.energy.2021.121605	Energy	2021	Mohy S. Mansour Ahmed M. Daabo et al	Tawfik Badawy	Selection of second-generation crop for biodiesel extraction and

					testing its impact with nano additives on diesel engine performance and emissions
https://doi.org/10.1007/s11356-022-18586-4	Environmental Science and Pollution Research	2022	Ahmed M. Daabo · Malay K. Karmakar · Harish Hirani	Kolli Harish Kumar	Solar parabolic dish collector for concentrated solar :thermal systems a review and recommendations
DOI:10.36909/jer.11977	Journal of Engg. Research Online First Article	2021	Nadjet Berrabia Boudjema Hamada Ahmed M. Daabo*	Qasim Y. Rahawi	Extractive/oxidative desulfurization optimization of diesel feed stock by ionic liquid utilization/ thermodynamic analysis
https://doi.org/10.1016/j.renene.2022.10.088	Renewable Energy	2022	Liqaa I. Saeed Marwa H. Altamer Abdelrahman B. Fadhil Tawfik Badawy	Ahmed M. Daabo	The production of bio-based fuels and carbon catalysts from chicken waste
https://doi.org/10.1007/s40095-020-00341-5	International Journal of Energy and Environmental Engineering	2020	Zaha Kreshat2 · Rana Farhat2 · Kasim Rahawi1 · Adel Mahmood1 · Tom Lattimore3,4	Ahmed M. Daabo	The suitability of microscale compressed air axial turbine for domestic solar powered Brayton cycle
https://doi.org/10.3390/machines11080817	Machines	2023	Ali Abdelhafeez Hassan, Muhammad Anser Bashir Hudhaifa Hamza Shahad Salim, Aisha Koprulu, Tawfik Badawy Saad Mahmoud and Raya Al-Dadah	Ahmed M. Daabo	Experimental Study and 3D Optimization of Small-Scale Solar-Powered Radial Turbine Using 3D Printing Technology
https://doi.org/10.1061/(ASCE)HY.1943-7900.0001960	Journal of Hydraulic Engineering. ASCE	2022	Melih Calamak Lindsey LaRocque M. Hanif Chaudhry Jasim Imran	Ibrahim Adil Ibrahim Al-hafidh	Experimental investigation of flood management by an instantaneous levee breach
https://doi.org/10.1080/00221686.2022.2041495	Journal of Hydraulic Research	2022	Ezzat Elalfy Jasim Imran	Ibrahim Adil Ibrahim Al-hafidh	Experimental investigation and one-dimensional (1D) dynamic modelling of steady flow through a levee breach
https://doi.org/10.3850/IAHR-39WC2521716X20221218	the 39th IAHR World Congress, Granada, Spain	2022	Tahssen Gilmeran Sulaiman Dawood Jasim	Ibrahim Adil Ibrahim Al-Hafidh	Experimental investigation of erosion downstream culverts
	2019 ASDSO Annual Dam Safety Conference Orlando, Florida. USA	2019	Melih Calamak Lindsey LaRocque Jasim Imran	Ibrahim Adil Ibrahim Al-Hafidh	Experimental Investigations of Flood Management by an Engineered Levee Breach
10.33899/renj.2007.44966	Al-Rafidain Engineering Journal (AREJ)	2007	Ibrahim Adil Ibrahim Al-Hafidh	Dr. Bahzad M.A.Noori	Laboratory Study Of Scour In Stone Beds Downstream Triangular Plan Form Weirs
10.33899/renj.2007.45106	Al-Rafidain Engineering Journal (AREJ)	2007	Ibrahim Adil Ibrahim Al-Hafidh	Dr. Bahzad M.A.Noori	Laboratory Study of Scour Downstream Gabions Protecting Rockfill Weirs

	Dams and Water Resources Research Center Conference, Mosul University	2008	Ibrahim Adil Ibrahim Al-Hafidh Tahssen A.Hassan	Mowafak Y.AL- Jeboure	Laboratory Study of Scour Downstream Pipe Culvert
Vol. 26 No.1, 2010	Damascus University, Damascus University Journal, Damascus, Syria, Vol. 26 No.1, 2010	2010	Tahssen A.Hassan	Ibrahim Adil Ibrahim Al- Hafidh	Study of Tail water Effect of Scour Downstream Protection Rockfill Wires
Vol.18, No.2, 2011, pp 44-54	Tekreet Journal to Engineering Science	2011		Ibrahim Adil Ibrahim Al- Hafidh	Comparative Study of Scour Downstream Different Shape of Culvert
10.33899/renqj.2011.27351	Al-Rafidain Engineering Journal (AREJ)	2011	Ibrahim Adil Ibrahim Al-Hafidh Tahssen A.Hassan	Khalil I. Othman	Effect of Size and Surface Roughness of Cylindrical Weirs on Over Flow Characteristics
Vol.28-No.2	Damascus University Journal for the engineering sciences	2012	Tahssen A.Hassan Ibrahim Adil Ibrahim Al-Hafidh	Yarub I. Sulaiman	Laboratory Study of Factors Affecting on Scour Resulting From the Impact of Water Jet in an Plunge Pool
College of Engineering, University of Babylon. Page 57-68	Iraqi Journal for Mechanical and Material Engineering Special Issue (F)	2012	Tahssen A.Hassan Ibrahim Adil Ibrahim Al-Hafidh	Yarub I. Sulaiman	Effect of Water Jet Inclination on Scour in Plunge Pool
10.33899/renqj.2012.54142	Al-Rafidain Engineering Journal (AREJ)	2012	Ibrahim Adil Ibrahim Al-Hafidh Tahssen A.Hassan	Khalil I. Othman	Hydraulic Characteristics of Tigris River in Mosul City.
s13762-023-/10.1007 05134-x	International Journal of Environmental Science and Technology	2023	L.idrees Saeed, RN Mohammed	RKS Mhemid	Photocatalytic removal of diazinon with Ag-coated SiO ₂ @TiO ₂ core-shell using the response surface methodology
10.12911/22998993/ 168500	Journal of Ecological Engineering	2023	Liqaq I. Saeed, and Mohammed .Salim Shihab	Rasha Khalid Sabri	Decontamination of Metronidazole Antibiotic: A Novel Nanocomposite-Based Strategy
10.1016/j.matpr.202 3.05.432	Materials Today: Proceedings	2023	Muayad A. Shihab, Jasim I. Humadi, Kuldeep K. Saxena, Chander Prakash, and Liqaq I. Saeed	Razzaq, Ghassan Hassan Abdul	CO ₂ capturing from natural gas employing new porous mixed matrix membranes
https://doi.org/10.4028/p-5515dd	Applied Mechanics and Materials	2023	Obaid, Jasim Ibrahim Humadi, Ahmad A. Aabid, Omer Haitham Kanam, Mohmmed Abdullah	Ahmed, Maher	CFD Assessment of the Bubble Flow in a 3D Rectangular Column

			Sanam, Liqaa I. Saeed, and Abdullah H. Ibrahim		
http://dx.doi.org/10.1016/j.matpr.2023.03.792	<i>Materials Today: Proceedings</i>	2023	Saad A. Jafar, Jasim I. Humadi, Shankar Sehgal, Kuldeep K. Saxena, Ghassan H. Abdullah, Liqaa I. Saeed, Mohanad S. Salman, and Waqas S. Abdullah	Mohammed, Hamad K	Investigation of carbon steel corrosion rate in different acidic environments
10.12911/22998993/168500	Korean Chemical Engineering Research	2023	Ghassan Hassan Abdul Razzaq, Luay Ahmed Khamees, Mustafa A. Ahmed, and Liqaa I. Saeed.	Humadi, Jasim I	Improved Kerosene Quality with the Use of a Gamma Alumina Nanoparticles Supported Zinc Oxide Catalyst in a Digital Batch Baffled Reactor: Experiments and Process Modeling
https://doi.org/10.1016/j.enconman.2015.11.013	Energy Conversion and Management	2016	Akram M Aziz, Marwa H Al-Tamer	Abdelrahman B Fadhil	Biodiesel production from Silybum marianum L. seed oil with high FFA content using sulfonated carbon catalyst for esterification and base catalyst for transesterification
https://doi.org/10.1016/j.fuel.2015.12.027	Fuel	2016	Akram M Aziz, Marwa H Al-Tamer	Abdelrahman B Fadhil	Potassium acetate supported on activated carbon for transesterification of new non-edible oil, bitter almond oil
https://www.researchgate.net/publication/267244550_Biodiesel_Production_from_Spent_Fish_Frying_Oil_Through_Acid-Base_Catalyzed_Transesterification	Pakistan Journal of Analytical & Environmental Chemistry	2012	Mohammed M Dheyab, Kareem M Ahmed, Marwa H Yahya	Abdelrahman B Fadhil	Biodiesel production from spent fish frying oil through acidbase catalyzed transesterification
https://doi.org/10.1080/25765299.2018.1449414	Arab Journal of Basic and Applied Sciences	2018	Akram M Aziz, Marwa H Al-Tamer	Abdelrahman B Fadhil	Optimization of methyl esters production from non-edible oils using activated carbon supported potassium hydroxide as a solid base catalyst
https://doi.org/10.1080/15567036.2015.1065299	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	2016	Islam K Saeed, Liqaa I Saeed, Marwa H Altamer	Abdelrahman B Fadhil	Co-solvent ethanolysis of chicken waste: optimization of parameters and characterization of biodiesel
https://doi.org/10.1016/j.renene.2022.10.088	Renewable Energy	2022	Liqaa I Saeed, Marwa H Altamer, Abdelrahman B Fadhil, Tawfik Badawy	Ahmed M Daabo	The production of bio-based fuels and carbon catalysts from chicken waste
https://www.researchgate.net/publication/338670359_Removal_of_impurities_from_biodiesel	Energy Education Science and Technology Part C:	2014	Akram M Aziz, Marwa H Al-Tamer	Abdelrahman B Fadhil	Removal of impurities from biodiesel via adsorption on PET derived activated carbon

_via_adsorption_on_PET_derived_activated_carbon	Future Energy Sources				
DOI: 10.3390/machines11080817	Machines	2023	Dr. Ahmed Daabo Dr. Ali Abdelhafeez Hassan Muhammad Anser Bashir. Hudhaifa Hamzah. Shahad Salim Aisha Koprulu Tawfik Badawy. Saad Mahmoud. Dr. Raya Al-Dadah	Dr. Ahmed Daabo	Experimental Study and 3D Optimization of Small-Scale Solar-Powered Radial Turbine Using 3D Printing Technology
https://doi.org/10.3390/rengi.2014.101006	Al-Rafidain Engineering Journal (AREJ)	2014	A. R. Habbo Mohammed Shahad Salim	A. R. Habbo Mohammed	Evaluation of Performance of Combined Gas Units Using Steam Injection Technique
doi.org/10.1080/15567036.2014.1002952	Energy Sources	2016	Abdelrahman B. Fadhil. Islam K. Saeed	Imad A. Al-dobouni	Optimized alkali-catalyzed transesterification of wild mustard (Brassica juncea L.) seed oil
doi.org/10.1080/15567036.2015.1065299	Energy Sources	2016	Islam K. Saeed Liqaq I. Saeed Marwa H. Altamer	Abdelrahman B. Fadhil	Co-solvent ethanolysis of chicken waste: Optimization of parameters and characterization of biodiesel
10.1109/EIOGI.2017.8267628	IEEE 2017 International Conference on Environmental Impacts of the Oil and Gas Industries: Kurdistan Region of Iraq as a Case Study, EIOGI 2017	2018	A. A. Mahmood	H. Abdul-Whab Anjel	Investigation of the effects of different diesel fuel cetane numbers on exhaust emissions in a single cylinder direct injection diesel engine
10.1080/20550324.2019.1637576	Nanocomposites 5(3):1-7	2019	Adil Akram Mahmood Hussain J. Alalkawi	Huda A. Al-Salihi	Mechanical and wear behavior of AA7075 aluminum matrix composites reinforced by Al ₂ O ₃ nanoparticles

https://link.springer.com/article/10.1007/s40095-020-00341-5	International Journal of Energy and Environmental Engineering	2020	Zaha Kreshat Rana Farhat Kasim Rahawi Adel Mahmood Tom Lattimore	Ahmed Daabo	The suitability of microscale compressed air axial turbine for domestic solar powered Brayton cycle
10.1016/j.matpr.2020.12.720	Materials Today Proceedings 42((2021)):2773–2778	2021	Maher O. Ahmed Adil Akram Mahmood	Omer Haitham Kanam	Investigation of corrosion penetration rate on alloy steel in petroleum industries for three samples of crude oil, northern Iraq
https://doi.org/10.5937/jaes0-38125	Journal of applied engineering science	2023	Samer A Kokz A. M. Mohsen	Adil Akram Mahmood	THE INFLUENCE OF ULTRASONIC IMPACT PEENING (UIP) ON THE MECHANICAL PROPERTIES AND FATIGUE LIFE OF THE AA1100 ALLOY