

Publications at Port Said University



Within: SDG 9: Industry, Innovation and Infrastructure (2021) | Year range: 2018 to 2020

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▼ **Authors**

- Elkaseer, A. 20
- Scholz, S.G. 12
- Charles, A.P. 5
- Hagenmeyer, V. 5
- Gadalla, M.A. 4

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▼ **Institutions**

- Port Said University 39
- Karlsruhe Institute of Technology 19
- Cairo University 5
- King Saud University 4
- Ain Shams University 3

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▼ **Publication years**

- 2020 15
- 2019 15
- 2018 9

▼ **Open Access**

- All Open Access 18
- Gold 11
- Bronze 4
- Green 14

▼ **Author numbers**

- ≤ 10 39
- ≤ 50 39
- ≤ 100 39
- ≤ 1000 39

> **Countries/Regions**

> **Publication types**

> **Publication stage**

> **Scopus Sources**

> **Subject Areas**

> **Institution Numbers**

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39 publications | Save as Publication Set

Title	Authors	Year	Scopus Source	Citations
Insight on water remediation application using magnetic nanomaterials and biosorbents <i>Open Access</i> View abstract View in Scopus	Abdel Maksoud, M.I.A., Elgarahy, A.M., Farrell, C. and 3 more	2020	Coordination Chemistry Reviews	71
Electric discharge machining of titanium and its alloys: review View abstract View in Scopus	Abu Qudeiri, J.E., Mourad, A.-H.I., Ziout, A. and 2 more	2018	International Journal of Advanced Manufacturing Technology	45
Effect of process parameters on the generated surface roughness of down-facing surfaces in selective laser melting <i>Open Access</i> View abstract View in Scopus	Charles, A., Elkaseer, A., Thijs, L. and 2 more	2019	Applied Sciences (Switzerland)	39
Advanced electric discharge machining of stainless steels: Assessment of the state of the art, gaps and future prospect <i>Open Access</i> View abstract View in Scopus	Abu Qudeiri, J.E., Saleh, A., Ziout, A. and 3 more	2019	Materials	35
Investigation of novel nanomaterial for the removal of toxic substances from contaminated water <i>Open Access</i> View abstract View in Scopus	El-Sayed, W.N., Elwakeel, K.Z., Shahat, A. and 1 more	2019	RSC Advances	31
Oil spill clean-up using combined sorbents: a comparative investigation and design aspects View abstract View in Scopus	Tayeb, A.M., Farouq, R., Mohamed, O.A. and 1 more	2020	International Journal of Environmental Analytical Chemistry	16
Principles and Characteristics of Different EDM Processes in Machining Tool and Die Steels <i>Open Access</i> View abstract View in Scopus	Qudeiri, J.E.A., Zaiout, A., Mourad, A.-H.I. and 2 more	2020	Applied Sciences (Switzerland)	14
Experiment-based process modeling and optimization for high-quality and resource-efficient FFF 3D printing <i>Open Access</i> View abstract View in Scopus	Elkaseer, A., Schneider, S., Scholz, S.G.	2020	Applied Sciences (Switzerland)	12
Wind resource assessment and economics of electric generation at four locations in Sinai Peninsula, Egypt View abstract View in Scopus	Ahmed, A.S.	2018	Journal of Cleaner Production	12
Dimensional errors due to overhanging features in laser powder bed fusion parts made of Ti-6Al-4V <i>Open Access</i> View abstract View in Scopus	Charles, A., Elkaseer, A., Thijs, L. and 1 more	2020	Applied Sciences (Switzerland)	12
Self-flushing in EDM drilling of Ti6Al4V using rotating shaped electrodes	Goigogana, M., Elkaseer, A.	2019	Materials	10
Material microstructure effects in micro-endmilling of Cu99.9E <i>Open Access</i> View abstract View in Scopus	Elkaseer, A.M., Dimov, S.S., Pham, D.T. and 3 more	2018	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture	9
Data Security in Cloud Computing Using Steganography: A Review View abstract View in Scopus	Alkhamese, A.Y., Shabana, W.R., Hanafy, I.M.	2019	Proceedings of 2019 International Conference on Innovative Trends in Computer Engineering, ITCE 2019	7
Smart modular reconfigurable fully-digital manufacturing system with a knowledge-based framework: Example of a fabrication of microfluidic chips View abstract View in Scopus	Scholz, S., Elkaseer, A., Müller, T. and 2 more	2018	IEEE International Conference on Automation Science and Engineering	7
On the assessment of thermo-mechanical degradability of multi-recycled ABS polymer for 3D printing applications View abstract View in Scopus	Charles, A., Bassan, P.M., Mueller, T. and 2 more	2019	Smart Innovation, Systems and Technologies	6
Advanced oxidation of acid yellow 11 dye; detoxification and degradation mechanism View abstract View in Scopus	Hassaan, M.A., El Nembr, A., Madkour, F.F. and 5 more	2020	Toxin Reviews	5

Total cost of ownership for different state of the art FDM machines (3D printers) View abstract View in Scopus	Fauth, J., Elkaseer, A., Scholz, S.G.	2019	Smart Innovation, Systems and Technologies	5
An industry 4.0 framework for tooling production using metal additive manufacturing-based first-time-right smart manufacturing system <i>Open Access</i> View abstract View in Scopus	Moshiri, M., Charles, A., Elkaseer, A. and 3 more	2020	Procedia CIRP	5
Effect of process parameters on surface texture generated by laser polishing of additively manufactured Ti-6Al-4V <i>Open Access</i> View abstract View in Scopus	Solheid, J.S., Elkaseer, A., Wunsch, T. and 3 more	2020	Proceedings of SPIE - The International Society for Optical Engineering	5
Exceeding Pinch limits by process configuration of an existing modern crude oil distillation unit – A case study from refining industry <i>Open Access</i> View abstract View in Scopus	Bayomie, O.S., Abdelaziz, O.Y., Gadalla, M.A.	2019	Journal of Cleaner Production	5
Towards an adaptive design of quality, productivity and economic aspects when machining aisi 4340 steel with wiper inserts <i>Open Access</i> View abstract View in Scopus	Abbas, A.T., Abubakr, M., Elkaseer, A. and 3 more	2020	IEEE Access	5
Industrial internet of things solution for real-time monitoring of the additive manufacturing process View abstract View in Scopus	Salama, M., Elkaseer, A., Saied, M. and 2 more	2019	Advances in Intelligent Systems and Computing	5
Maximization of condensate production by revamping of gas-oil separation plant in Gulf of Suez View abstract View in Scopus	Elsheemy, A.A., Ashour, F.H., Gadalla, M.A.	2018	Chemical Engineering Transactions	3
Carbon nanotubes as superior sorbent for removal of phenol from industrial waste water <i>Open Access</i> View abstract View in Scopus	El Shafiee, C.E., Abdel-Salam, M.O., Moalla, S.M.N. and 4 more	2018	Egyptian Journal of Chemistry	3
A novel graphical approach for mass exchange networks using composition driving force View abstract View in Scopus	Farrag, N.M., Kamel, D.A., Ghallab, A.O. and 2 more	2018	Chemical Engineering Transactions	2
A knowledge-based decision support system for micro and nano manufacturing process chains View abstract View in Scopus	Müller, T., Hagenmeyer, V., Schmidt, A. and 2 more	2018	Proceedings - 44th Euromicro Conference on Software Engineering and Advanced Applications, SEAA 2018	2
Multi-objective handoff scheme for macro/femto WiMAX networks Title	Menshawy, L., Nashaat, H., <small>et al.</small> Authors	2019	Journal of Circuits, Systems and Computers	2
Development and validation of eco-friendly micellar HPLC method for the simultaneous determination of hydrochlorothiazide and valsartan in bulk powder and pharmaceutical dosage forms View abstract View in Scopus	Ayad, M.M., Hosny, M.M., Ibrahim, A.E. and 2 more	2020	Journal of the Iranian Chemical Society	2
Laser ablation of cobalt-bound tungsten carbide and aluminium oxide ceramic: experimental investigation with ANN modelling and GA optimisation View abstract View in Scopus	Elkaseer, A., Lambarri, J., Quintana, I. and 1 more	2019	Smart Innovation, Systems and Technologies	2
Sonochemical degradation of benzothioephene (BT) in deionized water, natural water and sea water <i>Open Access</i> View abstract View in Scopus	Al-Zaydi, K.M., Petrier, C., Mousally, S.M.M. and 2 more	2019	Molecules	1
Energy Management of Microgrids Using Load Shifting and Multi-agent System View abstract View in Scopus	Abdelsalam, A.A., Zedan, H.A., ElDesouky, A.A.	2020	Journal of Control, Automation and Electrical Systems	1
Vision system-based inspection and alignment of laminated polymer films for 3D-Integration of microsystems <i>Open Access</i> View abstract View in Scopus	Elkaseer, A., Salem, M., Hagenmeyer, V. and 1 more	2019	IFAC-PapersOnLine	1
Software Toolkit for Visualization and Process Selection for Modular Scalable Manufacturing of 3D Micro-Devices View abstract View in Scopus	Scholz, S., Elkaseer, A., Salem, M. and 1 more	2020	Advances in Intelligent Systems and Computing	1

Mathematical model for cutting force in ultrasonic-assisted milling of soda-lime glass View abstract View in Scopus	El-Taybany, Y., El-Hofy, H.	2019	International Journal of Advanced Manufacturing Technology	1
Handover Performance Improvement in Heterogeneous Wireless Network View abstract View in Scopus	Ezz-Eldien, N.A., Abdelkader, M.F., Abdalla, M.I. and 1 more	2020	11th Annual IEEE Information Technology, Electronics and Mobile Communication Conference, IEMCON 2020	1
Solidification of Alum Industry Waste for Producing Geopolymer Mortar <i>Open Access</i> View abstract View in Scopus	Abdelmawla, M., Abdelaal, A., Beheary, M.S. and 2 more	2020	Egyptian Journal of Chemistry	0
Graphical energy analysis and retrofit of heat exchanger network for a crude oil refinery: A case study View abstract View in Scopus	Kamel, D., Gadalla, M., Mustafa, I. and 2 more	2019	ECOS 2019 - Proceedings of the 32nd International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems	0
Camel's nose strategy: New innovative architectural application for desert buildings View abstract View in Scopus	Shahda, M.M., Abd Elhafeez, M.M., El Mokadem, A.A.	2018	Solar Energy	0
Precision hard turning of ti6al4v using polycrystalline diamond inserts: Surface quality, cutting temperature and productivity in conventional and high-speed machining <i>Open Access</i> View abstract View in Scopus	Abdelnasser, E., Barakat, A., Elsanabary, S. and 2 more	2020	Materials	0

Title	Authors	Year	Scopus Source	Citations 
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Activity of Port Said University

Within: **SDG 9: Industry, Innovation and Infrastructure (2021)** | Year range used for metrics: 2018 to 2020 | [Analyze Topic worldwide](#)

Summary

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Performance

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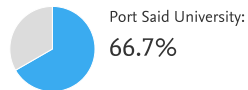
<p>39 Scholarly Output </p> <p>Chart with 3 data points. The chart has 1 X axis displaying categories. Range: 3 categories. The chart has 1 Y axis displaying values. Range: 0 to 15.75. View list of publications</p>	<p>1.96 Field-Weighted Citation Impact </p> <p>Chart with 3 data points. The chart has 1 X axis displaying categories. Range: 3 categories. The chart has 1 Y axis displaying values. Range: 0 to 3.067481693578391.</p>	<p>26 International Collaboration </p> <p>Chart with 3 data points. The chart has 1 X axis displaying categories. Range: 3 categories. The chart has 1 Y axis displaying values. Range: 0 to 12.6.</p>
<p>1,159 Views Count </p>	<p>383 Citation Count </p>	

Collaboration

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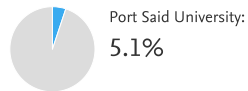
International Collaboration

Publications co-authored with Institutions in other countries/regions



Academic-Corporate Collaboration

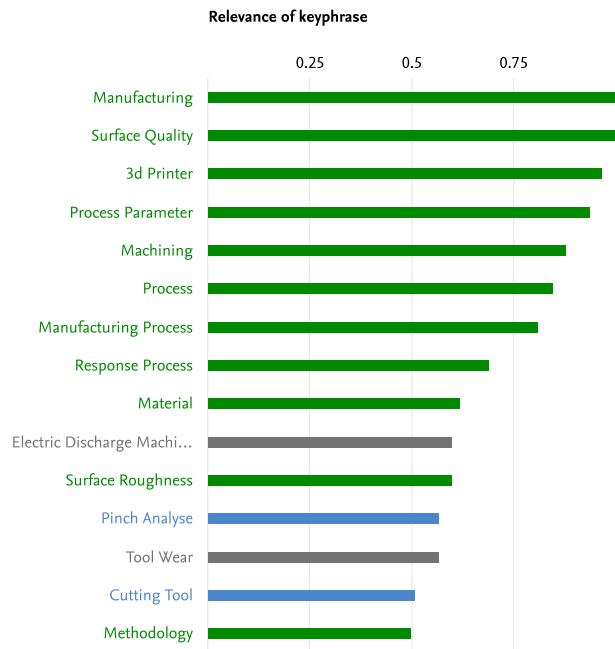
Publications with both academic and corporate affiliations



Top 15 keyphrases

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Based on 39 publications



[declining](#) [A](#) [A](#) [growing \(2018-2020\)](#)

1.

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SDG 9: Industry, Innovation and Infrastructure (2021) ★

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Summary Institutions Countries & Regions Authors Scopus Sources Keyphrases

Top Institutions

Africa Egypt All sectors reset filter





















Top 100 Institutions in this Research Area, by Scholarly Output | [Scroll to Home Institution](#)

<input type="checkbox"/> Institution ↑	Scholarly Output ↓	Views Count ↓	Field-Weighted Citation Impact ↓	Citation Count ↓
1. <input type="checkbox"/> Cairo University	235	7,852	1.46	1,977
2. <input type="checkbox"/> National Research Center	147	7,075	1.37	1,606
3. <input type="checkbox"/> Alexandria University	121	3,647	1.36	1,028
4. <input type="checkbox"/> Ain Shams University	110	3,140	0.91	567
5. <input type="checkbox"/> Zagazig University	88	3,796	2.77	1,368
6. <input type="checkbox"/> Mansoura University	75	3,122	2.09	840
7. <input type="checkbox"/> American University in Cairo	61	1,880	1.24	429
8. <input type="checkbox"/> Helwan University	61	1,617	1.00	427
9. <input type="checkbox"/> Benha University	54	1,998	1.47	377
10. <input type="checkbox"/> Assiut University	52	1,419	1.07	345
11. <input type="checkbox"/> Minia University	52	1,950	1.79	643
12. <input type="checkbox"/> Arab Academy for Science, Technology and Maritime Transport	49	1,554	1.11	305
13. <input type="checkbox"/> The British University in Egypt	49	2,132	1.14	274
14. <input type="checkbox"/> Menoufia University	41	1,765	1.89	418
15. <input type="checkbox"/> Egypt-Japan University of Science and Technology	40	1,117	1.84	296
16. <input checked="" type="checkbox"/> Port Said University	39	1,159	1.96	383
17. <input type="checkbox"/> Al-Azhar University	38	1,023	1.48	302
18. <input type="checkbox"/> Tanta University	38	1,277	2.02	379
19. <input type="checkbox"/> Beni-Suef University	36	1,237	1.77	366
20. <input type="checkbox"/> City for Scientific Research and Technology Applications	34	1,367	1.60	385
21. <input type="checkbox"/> Egyptian Petroleum Research Institute	31	1,234	1.49	386

		Field-Weighted			
		2018 to 2020			
22.	 Nile University	31	1,530	0.90	80
23.	 Central Metallurgical Research & Development Institute	27	857	1.43	316
24.	 Egyptian Atomic Energy Authority	23	852	2.31	343
25.	 Suez Canal University	23	870	1.96	357
26.	 German University in Cairo	22	504	1.23	68
27.	 Aswan University	21	562	2.32	206
28.	 Agricultural Research Center	20	686	1.11	179
29.	 Al-Fayoum University	18	628	0.66	76
30.	 Kafrelsheikh University	18	828	4.37	407
31.	 Suez University	18	1,137	1.61	235
32.	 Military Technical College	17	372	1.13	121
33.	 South Valley University	17	455	1.83	77
34.	 University of Sadat City	15	739	1.04	146
35.	 Zewail City of Science and Technology	15	523	1.39	202
36.	 October University for Modern Sciences and Arts	14	847	0.97	168
37.	 Damanhour University	13	732	2.32	168
38.	 Damietta University	12	297	0.94	107
39.	 Housing and Building Research Center	12	484	0.94	98
40.	 Future University in Egypt	11	297	1.17	33
41.	 National Institute of Oceanography and Fisheries	11	188	0.98	58
42.	 National Water Research Center	9	455	2.28	91
43.	 National Authority for Remote Sensing and Space Sciences	8	179	1.16	43
44.	 Electronic Research Institute	7	99	0.38	10
45.	 Pharos University in Alexandria	7	124	1.02	24
46.	 Misr International University	5	67	1.50	10
47.	 National Institute of Standards	5	695	1.38	122
48.	 National Telecommunication Institute	5	66	1.46	5

Field-Weighted

2018 to 2020 


49.	 Canadian International College of Egypt	4	134	0.43	17
50.	 Nuclear Materials Authority	4	123	1.70	61
51.	 Sohag University	4	122	2.19	70
52.	 Academy of Scientific Research and Technology	3	76	0.82	17
53.	 Egypt Electricity Holding Company	3	62	0.19	3
54.	 Ministry of Higher Education, Egypt	3	374	4.43	142
55.	 Ministry of Water Resources & Irrigation	3	156	0.90	25
56.	 Badr University in Cairo	2	77	0.87	13
57.	 Delta University for Science and Technology	2	24	0.22	1
58.	 Deraya University	2	46	0.45	7
59.	 Desert Research Center	2	82	3.56	24
60.	 Egyptian Russian University	2	37	1.62	18
61.	 El Shorouk Academy	2	21	0.80	5
62.	 Matrouh University	2	49	3.21	26
63.	 Misr University for Science and Technology	2	248	0.43	5
64.	 National Organization for Drug Control and Research	2	96	0.77	14
65.	 Sadat Academy for Management Sciences	2	336	6.62	141
66.	 Egyptian Meteorological Authority	1	32	0.37	4
67.	 National Research Institute of Astronomy and Geophysics	1	21	0.89	4
68.	 Theodore Bilharz Research Institute	1	116	0.70	2

> Metric details

Metric 1: **Scholarly Output**  Types of publications included: all.

Metric 2: **Views Count**

Metric 3: **Field-Weighted Citation Impact**  Types of publications included: all.

Metric 4: **Citation Count**  Types of publications included: all. Self-citations included: yes.

ELSEVIER

2018 to 2020



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