	Times Cited ₁ Polytechnic University of Timisoara ISI Papers TOP 20 Date: 20.09.2019		
1.	Precup, R.E., Hellendoorn, H. A survey on industrial applications of fuzzy control, COMPUTERS IN INDUSTRY, Volume: 62, Issue: 3, Pages: 213-226, ISSN: 0166-3615, eISSN: 1872-6194, 2011;	Times Cited in Web of Science Core Collection: 261	Highly Cited Paper 2
2.	Boldea, I., Tutelea, L.N., Parsa, L., Dorrell, D. Automotive Electric Propulsion Systems With Reduced or No Permanent Magnets: An Overview, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, Volume: 61, Issue: 10, Pages: 5696-5711, ISSN: 0278-0046, eISSN: 1557-9948, 2014;	Times Cited in Web of Science Core Collection: 256	Highly Cited Paper 3
3.	Marinca, V., Herisanu, N. Application of Optimal Homotopy Asymptotic Method for solving nonlinear equations arising in heat transfer, INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, Volume: 35, Issue: 6, Pages: 710-715, ISSN: 0735-1933, 2008;	Times Cited in Web of Science Core Collection: 210	
4.	Lascu, C., Asiminoaei, L., Boldea, I., Blaabjerg, F. Frequency Response Analysis of Current Controllers for Selective Harmonic Compensation in Active Power Filters, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, Volume: 56, Issue: 2, Pages: 337-347, ISSN: 0278-0046, 2009;	Times Cited in Web of Science Core Collection: 200	
5.	Marinescu, R. Detection startegies: Metrics-based rules for detecting design flaws, 20TH IEEE INTERNATIONAL CONFERENCE ON SOFTWARE MAINTENANCE, PROCEEDINGS, Book Series: PROCEEDINGS - IEEE INTERNATIONAL CONFERENCE ON SOFTWARE MAINTENANCE, Pages: 350-359, 20th IEEE International Conference on Software Maintenance (ICSM 2004), SEP 11-14, 2004, Chicago, IL, ISSN: 1063-6773, ISBN: 0-7695-2213-0, Published: 2004;	Times Cited in Web of Science Core Collection: 198	
6.	Sarbu, I., Sebarchievici, C. General review of ground-source heat pump systems for heating and cooling of buildings, ENERGY AND BUILDINGS, Volume: 70, Pages: 441-454, ISSN: 0378-7788, eISSN: 1872-6178, 2014;	Times Cited in Web of Science Core Collection: 181	Highly Cited Paper 4
7.	Gheju, M. Hexavalent Chromium Reduction with Zero-Valent Iron (ZVI) in Aquatic Systems, WATER AIR AND SOIL POLLUTION, Volume: 222, Issue: 1-4, Pages: 103-148, ISSN: 0049-6979, 2011;	Times Cited in Web of Science Core Collection: 176	
8.	Deodhar, R.P., Andersson, S., Boldea, I., Miller, T.J.E. The flux-reversal machine: A new brushless doubly-salient permanent-magnet machine, IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Volume: 33, Issue: 4, Pages: 925-934, 32nd Annual Meeting of the IEEE Industry-Applications-Society, OCT 05-09, 1997, NEW ORLEANS, LA, ISSN: 0093-9994, Published: 1997;	Times Cited in Web of Science Core Collection: 175	
9.	Marinca, V., Herisanu, N., Bota, C., Marinca, B. An optimal homotopy asymptotic method applied to the steady flow of a fourth-grade fluid past a porous plate, APPLIED MATHEMATICS LETTERS, Volume: 22, Issue: 2, Pages: 245-251, ISSN: 0893-9659, 2009;	Times Cited in Web of Science Core Collection: 167	Highly Cited Paper 5
10.	Caizer, C., Stefanescu, M. Magnetic characterization of nanocrystalline Ni-Zn ferrite powder prepared by the glyoxylate precursor method, JOURNAL OF PHYSICS D-APPLIED PHYSICS, Volume: 35, Issue: 23, Pages: 3035-3040, Article Number: PII S0022-3727(02)37652-6, ISSN: 0022-3727, 2002;	Times Cited in Web of Science Core Collection: 164	
11.	Lelea, D., Nishio, S., Takano, K. The experimental research on microtube heat transfer and fluid flow of distilled water, INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, Volume: 47, Issue: 12-13, Pages: 2817-2830, ISSN: 0017-9310, 2004;	Times Cited in Web of Science Core Collection: 159	
12.	Murvay, P.S., Silea, I. A survey on gas leak detection and localization techniques, JOURNAL OF LOSS PREVENTION IN THE PROCESS INDUSTRIES, Volume: 25, Issue: 6, Pages: 966-973, ISSN: 0950-4230, 2012;	Times Cited in Web of Science Core Collection: 151	
13.	Scott, E., Peter, F., Sanders, J. Biomass in the manufacture of industrial products - the use of proteins and amino acids, APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, Volume: 75, Issue: 4, Pages: 751-762, PubMed ID: 17387469, ISSN: 0175-7598, 2007;	Times Cited in Web of Science Core Collection: 151	
14.	Cadariu, L., Radu, V. Fixed point methods for the generalized stability of functional equations in a single variable, FIXED POINT THEORY AND APPLICATIONS, Article Number: 749392, ISSN: 1687-1820, 2008;	Times Cited in Web of Science Core Collection: 150	
15.	Boldea, I., Paicu, M.C., Andreescu, G.D. Active Flux Concept for Motion-Sensorless Unified AC Drives, IEEE TRANSACTIONS ON POWER ELECTRONICS, Volume: 23, Issue: 5, Pages: 2612-2618, ISSN: 0885-8993, 2008;	Times Cited in Web of Science Core Collection: 145	
16.	Tigan, G., Opris, D. Analysis of a 3D chaotic system, CHAOS SOLITONS & FRACTALS, Volume: 36, Issue: 5, Pages: 1315-1319, ISSN: 0960-0779, 2008;	Times Cited in Web of Science Core Collection: 140	
17.	Marinca, V., Herisanu, N., Nemes, I. Optimal homotopy asymptotic method with application to thin film flow, CENTRAL EUROPEAN JOURNAL OF PHYSICS, Volume: 6, Issue: 3, Pages: 648-653, ISSN: 1895-1082, 2008;	Times Cited in Web of Science Core Collection: 136	
18.	Gheju, M., Balcu, I. Removal of chromium from Cr(VI) polluted wastewaters by reduction with scrap iron and subsequent precipitation of resulted cations, JOURNAL OF HAZARDOUS MATERIALS, Volume: 196, Pages: 131-138, PubMed ID: 21955659, ISSN: 0304-3894, 2011;	Times Cited in Web of Science Core Collection: 131	Highly Cited Paper 6
19.	Klumpner, C., Nielsen, P., Boldea, I., Blaabjerg, F. A new matrix converter motor (MCM) for industry applications, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, Volume: 49, Issue: 2, Pages: 325-335, Article Number: PII S0278-0046(02)02890-3, ISSN: 0278-0046, 2002;	Times Cited in Web of Science Core Collection: 129	
20.	BALABAN, A.T., CIUBOTARIU, D., MEDELEANU, M. TOPOLOGICAL INDEXES AND REAL NUMBER VERTEX INVARIANTS BASED ON GRAPH EIGENVALUES OR EIGENVECTORS, JOURNAL OF CHEMICAL INFORMATION AND COMPUTER SCIENCES, Volume: 31, Issue: 4, Pages: 517-523, ISSN: 0095-2338, 1991.	Times Cited in Web of Science Core Collection: 126	

1. Times Cited: Displays the total number of times a published work was cited by other works.



Highly Cited Papers lists the top cited papers over the past 10 years in each of 22 scientific fields.

Selected from the most recent 10 years of data, Highly Cited Papers reflect the top 1% of papers by field and publication year. Highly Cited Papers help identify breakthrough research within a research field and are used within Web of Science to identify and refine the most influential research papers.

- 2. As of May/June 2019, this highly cited paper received enough citations to place it in the top 1% of the academic field of **Computer Science** based on a highly cited threshold for the field and publication year.
- 3. As of May/June 2019, this highly cited paper received enough citations to place it in the top 1% of the academic field of **Engineering** based on a highly cited threshold for the field and publication year.
- 4. As of May/June 2019, this highly cited paper received enough citations to place it in the top 1% of the academic field of **Engineering** based on a highly cited threshold for the field and publication year.
- 5. As of May/June 2019, this highly cited paper received enough citations to place it in the top 1% of the academic field of **Mathematics** based on a highly cited threshold for the field and publication year.
- 6. As of May/June 2019, this highly cited paper received enough citations to place it in the top 1% of the academic field of **Engineering** based on a highly cited threshold for the field and publication year.