

# Artur Guzik

## List of Publications by Year in descending order

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21  
papers

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citations

1040056

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21  
all docs

21  
docs citations

21  
times ranked

201  
citing authors

#	ARTICLE	IF	CITATIONS
1	Distributed Optical Fiber Sensors for Monitoring of Civil Engineering Structures. Sensors, 2022, 22, 4368.	3.8	11
2	Development of Real-Time Time Gated Digital (TGD) OFDR Method and Its Performance Verification. Sensors, 2021, 21, 4865.	3.8	7
3	Advanced Structural Health Monitoring Method by Integrated Isogeometric Analysis and Distributed Fiber Optic Sensing. Sensors, 2021, 21, 5794.	3.8	4
4	Behavior and Properties of Cement-Embedded Fiber Optic Sensors for Zonal Isolation Monitoring. , 2019, , .		1
5	Advanced distributed fiber optic sensors for monitoring real-time cementing operations and long term zonal isolation. Journal of Petroleum Science and Engineering, 2017, 158, 479-493.	4.2	16
6	Real Time Cement Displacement Tracking using Distributed Fiber Optic Sensors. , 2017, , .		4
7	Advanced Distributed Fiber Optic Sensors to Monitor Cement Hydration and Detect Annular Hydrocarbon Migration for Enhanced Zonal Isolation. , 2016, , .		6
8	Advanced Distributed Fiber Optic Sensors for Monitoring Poor Zonal Isolation with Hydrocarbon Migration in Cemented Annuli. , 2016, , .		4
9	Synthetic Spectrum Approach for Brillouin Optical Time-Domain Reflectometry. Sensors, 2014, 14, 4731-4754.	3.8	27
10	Study of optical fibers strain-temperature sensitivities using hybrid Brillouin-Rayleigh system. Photonic Sensors, 2014, 4, 1-11.	5.0	79
11	Model of unsteady heat exchange for intermittent heating taking into account hot water radiator capacity. Energy and Buildings, 2014, 76, 176-184.	6.7	11
12	Validation of TW-COTDR method for 25km distributed optical fiber sensing. Proceedings of SPIE, 2013, , .	0.8	8
13	Monitoring of the ground settlement during a tunnel excavation using 4D optical fiber sensing system. , 2013, , .		1
14	Hybrid Brillouin-Rayleigh distributed sensing system. Proceedings of SPIE, 2012, , .	0.8	17
15	A boundary element method for analysis of thermoelastic deformations in materials with temperature dependent properties. International Journal for Numerical Methods in Engineering, 2005, 64, 1432-1458.	2.8	13
16	An inverse estimation of multi-dimensional load distributions in thermoelasticity problems via dual reciprocity BEM. Computational Mechanics, 2005, 37, 86-95.	4.0	6
17	Interface relaxation FEM-BEM coupling method for elasto-plastic analysis. Engineering Analysis With Boundary Elements, 2004, 28, 849-857.	3.7	20
18	Heat Conduction Analysis in Bodies Containing Thin-Walled Structures by Means of Hybrid BNM with an Application to CNT-Based Composites. JSME International Journal Series A-Solid Mechanics and Material Engineering, 2004, 47, 181-188.	0.4	10

#	ARTICLE	IF	CITATIONS
19	Analysis of Inverse Transient Thermoelasticity Problems by Filtration Methods. , 2003, , 65-74.		0
20	AN APPLICATION OF THE GENERALIZED OPTIMAL DYNAMIC FILTRATION METHOD FOR SOLVING INVERSE HEAT TRANSFER PROBLEMS. Numerical Heat Transfer; Part A: Applications, 2002, 42, 531-548.	2.1	6
21	Numerical and experimental mathematical modelling of heat and mass transfer processes using unified least squares method. Energy Conversion and Management, 1998, 39, 1763-1772.	9.2	3