

Barbara Marchetti

List of Publications by Year in descending order

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39
papers

657
citations

687363

13
h-index

580821

25
g-index

39
all docs

39
docs citations

39
times ranked

689
citing authors

#	ARTICLE	IF	CITATIONS
1	Economic and environmental analysis of a Steam Assisted Gravity Drainage (SAGD) facility for oil recovery from Canadian oil sands. <i>Applied Energy</i> , 2015, 142, 1-9.	10.1	120
2	Evaluation of the environmental benefits of new high value process for the management of the end of life of thin film photovoltaic modules. <i>Journal of Cleaner Production</i> , 2013, 51, 214-224.	9.3	56
3	Development and test of a new fuzzy-QFD approach for characterizing customers rating of extra virgin olive oil. <i>Food Quality and Preference</i> , 2012, 24, 75-84.	4.6	48
4	Reconversion of offshore oil and gas platforms into renewable energy sites production: Assessment of different scenarios. <i>Renewable Energy</i> , 2019, 135, 1121-1132.	8.9	45
5	Reliability, Availability, Maintainability (RAM) study, on reciprocating compressors API 618. <i>Petroleum</i> , 2017, 3, 266-272.	2.8	42
6	On numerical methods; optimization of CFD solution to evaluate fluid flow around a sample object at low Re numbers. <i>Mathematics and Computers in Simulation</i> , 2018, 152, 51-68.	4.4	40
7	Sand transport in multiphase flow mixtures in a horizontal pipeline: An experimental investigation. <i>Petroleum</i> , 2019, 5, 161-170.	2.8	35
8	New applications of Scanning Laser Doppler Vibrometry (SLDV) to non-destructive diagnostics of artworks: mosaics, ceramics, inlaid wood and easel painting. <i>Journal of Cultural Heritage</i> , 2003, 4, 321-329.	3.3	30
9	Experiences in numerical simulation of wax deposition in oil and multiphase pipelines: Theory versus reality. <i>Journal of Petroleum Science and Engineering</i> , 2019, 174, 997-1008.	4.2	28
10	On the numerical simulation of sand transport in liquid and multiphase pipelines. <i>Journal of Petroleum Science and Engineering</i> , 2019, 175, 519-535.	4.2	26
11	Numerical study of choked two-phase flow of hydrocarbons fluids through orifices. <i>Journal of Loss Prevention in the Process Industries</i> , 2014, 27, 13-20.	3.3	18
12	Modelling blowdown of pressure vessels containing two-phase hydrocarbons mixtures with the partial phase equilibrium approach. <i>Chemical Engineering Science</i> , 2015, 126, 719-729.	3.8	14
13	Overview on the application of ISO/TS 16949:2009, in a worldwide leader company in the production of stainless steel tubes for automotive exhaust systems. <i>International Journal of Productivity and Quality Management</i> , 2011, 7, 410.	0.2	13
14	Development of an innovative criticality index for turnaround management in an oil refinery. <i>International Journal of Productivity and Quality Management</i> , 2012, 9, 519.	0.2	13
15	Risks and Safety of CO ₂ Transport via Pipeline: A Review of Risk Analysis and Modeling Approaches for Accidental Releases. <i>Energies</i> , 2021, 14, 4601.	3.1	12
16	Statistical analysis of incidents on onshore CO ₂ pipelines based on PHMSA database. <i>Journal of Loss Prevention in the Process Industries</i> , 2022, 77, 104799.	3.3	12
17	The impact of renewable energy systems on local sustainability. <i>International Journal of Productivity and Quality Management</i> , 2016, 18, 385.	0.2	11
18	Implementation of a quality procedure based on Delphi method and the ISO/TS 16949:2009 in the production of stainless steel tubes for automotive exhaust systems. <i>International Journal of Quality and Reliability Management</i> , 2011, 28, 841-866.	2.0	10

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19	Technical and economic analysis of different cogeneration systems for energy production from biomass. <i>International Journal of Productivity and Quality Management</i> , 2014, 13, 289.	0.2	10
20	Application of non-invasive active infrared thermography for delamination detection in fresco. <i>International Journal of Thermal Sciences</i> , 2022, 171, 107185.	4.9	10
21	Supplier Satisfaction Survey as a management tool for reengineering the procurement process. <i>International Journal of Procurement Management</i> , 2013, 6, 170.	0.2	9
22	An empirical study of ISO 9000 on the supply chain of a company leader in the heating sector. <i>International Journal of Quality and Reliability Management</i> , 2013, 30, 897-916.	2.0	8
23	Lean manufacturing within critical healthcare supply chain: an exploratory study through value chain simulation. <i>International Journal of Procurement Management</i> , 2015, 8, 3.	0.2	8
24	Double Green Process: a low environmental impact method for recycling of CdTe, a-Si and CIS/CIGS thin-film photovoltaic modules. <i>International Journal of Sustainable Engineering</i> , 2018, 11, 173-185.	3.5	6
25	Integration of BPR and RFID technology in a process industry: Spare parts warehouse management analysis. <i>International Journal of RF Technologies: Research and Applications</i> , 2011, 2, 205-223.	0.7	5
26	<title>Scanning laser Doppler vibrometer for dynamic measurements on small- and microsystems</title>. , 2002, 4827, 486.		4
27	Development and validation of a model for the simulation of the air drying phenomena in pipelines. <i>International Journal of Mathematical Modelling and Numerical Optimisation</i> , 2013, 4, 351.	0.2	4
28	Innovative experimental-numerical method for quality control during sausages production. <i>International Journal of Productivity and Quality Management</i> , 2013, 12, 379.	0.2	3
29	Improvement of a multiphase flow model for wellhead chokes under critical and subcritical conditions using field data. <i>Journal of Petroleum Exploration and Production</i> , 2021, 11, 1487-1503.	2.4	3
30	Validation of Velocity Field Measured with Particle Image Velocimetry of a Partially Heated Cavity. <i>Heat Transfer Engineering</i> , 2023, 44, 141-153.	1.9	3
31	Evaluation of thermal loading effects of laser Doppler vibrometer applied to micro-electro-mechanical systems (MEMS). , 2004, 5503, 468.		2
32	Dynamic model for the economical evaluation of different technical solutions for reducing naval emissions. <i>International Journal of Productivity and Quality Management</i> , 2014, 14, 314.	0.2	2
33	Development and application of an innovative tool to automate the process of results extraction from the thermo-hydraulic simulator Olga. <i>Petroleum</i> , 2015, 1, 164-168.	2.8	2
34	A new integrated approach to study the thermal and mechanical response of vessels subject to a safe blowdown process. <i>Journal of Loss Prevention in the Process Industries</i> , 2018, 53, 103-114.	3.3	2
35	<title>Definition of FBC sensor photoelastic coefficient by laser doppler vibrometry</title>. , 2002, ,		1
36	Proper orthogonal decomposition analysis of scanning laser Doppler vibrometer measurements of plaster status at the U.S. Capitol. , 2004, , .		1

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37	Evaluation of the economic impact of a new high value process for the management of the end of life of thin film photovoltaic modules. International Journal of Productivity and Quality Management, 2015, 15, 528.	0.2	1
38	New applications of scanning laser Doppler vibrometry (SLDV) to nondestructive diagnosis of artwork: mosaics, ceramics, inlaid wood, and easel painting. , 2001, , .		0
39	Development of an Innovative and Sustainable Model for Integrating River Maintenance with Energy Production from Residual Biomass. Resources, 2018, 7, 27.	3.5	0