

# Denis Cavallucci

## List of Publications by Year in descending order

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37  
papers

704  
citations

623734

14  
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552781

26  
g-index

38  
all docs

38  
docs citations

38  
times ranked

319  
citing authors

#	ARTICLE	IF	CITATIONS
1	IPG as a new method to improve the agility of the initial analysis of the inventive design. FME Transactions, 2021, 49, 549-562.	1.4	8
2	A new function-based patent knowledge retrieval tool for conceptual design of innovative products. Computers in Industry, 2020, 115, 103154.	9.9	63
3	Latent semantic extraction and analysis for TRIZ-based inventive design. European Journal of Industrial Engineering, 2018, 12, 661.	0.8	5
4	Experience capitalization to support decision making in inventive problem solving. Computers in Industry, 2018, 101, 25-40.	9.9	13
5	Case-based Reasoning for Knowledge Capitalization in Inventive Design Using Latent Semantic Analysis. Procedia Computer Science, 2017, 112, 323-332.	2.0	9
6	Open the "black box"™ creativity and innovation: a study of activities in R&D departments. Some prospects for engineering education. European Journal of Engineering Education, 2017, 42, 1000-1024.	2.3	5
7	An Approach to Identify the Readiness Level of a Solution Concept in the Inventive Design Method. Procedia CIRP, 2016, 39, 179-184.	1.9	2
8	The evaluation of creativity from the perspective of subject matter and training in higher education: Issues, constraints and limitations. Thinking Skills and Creativity, 2016, 19, 123-135.	3.5	34
9	Measuring Inventive Performance of R&D Teams. Procedia Engineering, 2015, 131, 514-521.	1.2	1
10	Ontology-based Knowledge Modeling for Using Physical Effects. Procedia Engineering, 2015, 131, 601-615.	1.2	7
11	A Method for Facilitating Inventive Design Based on Semantic Similarity and Case-Based Reasoning. Procedia Engineering, 2015, 131, 194-203.	1.2	5
12	A Software Framework to Support Engineering Analysis for Inventive Solution Concepts. Procedia Engineering, 2015, 131, 626-634.	1.2	1
13	A Heuristic Method of Using the Pointers to Physical Effects in Su-Field Analysis. Procedia Engineering, 2015, 131, 539-550.	1.2	6
14	Identifying and Reformulating Knowledge Items to Fit with the Inventive Design Method (IDM) Model for a Semantically-based Patent Mining. Procedia Engineering, 2015, 131, 1130-1139.	1.2	3
15	Measuring the Efficiency of Inventive Activities Along Inventive Projects in R&D. Procedia Engineering, 2015, 131, 561-568.	1.2	0
16	A lexico-syntactic Pattern Matching Method to Extract Idm- Triz Knowledge from On-line Patent Databases. Procedia Engineering, 2015, 131, 418-425.	1.2	18
17	Starting from Patents to Find Inputs to the Problem Graph Model of IDM-TRIZ. Procedia Engineering, 2015, 131, 150-161.	1.2	29
18	A Model for Exploring Technological Changes in New Systems. Procedia Engineering, 2015, 131, 1146-1156.	1.2	2

#	ARTICLE	IF	CITATIONS
19	On Solution Concept Evaluation/Selection in Inventive Design. <i>Procedia Engineering</i> , 2015, 131, 1073-1083.	1.2	12
20	Natural Language Processing (NLP) – A Solution for Knowledge Extraction from Patent Unstructured Data. <i>Procedia Engineering</i> , 2015, 131, 635-643.	1.2	19
21	Early feasibility evaluation of Solution Concepts in an Inventive Design Method Framework: Approach and support tool. <i>Computers in Industry</i> , 2015, 67, 1-16.	9.9	11
22	A New Method of Using Physical Effects in Su-field Analysis based on Ontology Reasoning. <i>Procedia Computer Science</i> , 2013, 22, 30-39.	2.0	6
23	Towards a formal definition of contradiction in inventive design. <i>Computers in Industry</i> , 2012, 63, 231-242.	9.9	48
24	Use of formal ontologies as a foundation for inventive design studies. <i>Computers in Industry</i> , 2011, 62, 323-336.	9.9	58
25	A research agenda for computing developments associated with innovation pipelines. <i>Computers in Industry</i> , 2011, 62, 377-383.	9.9	24
26	Analysing complex engineering situations through problem graph. <i>Procedia Engineering</i> , 2011, 9, 18-29.	1.2	6
27	Using patents to populate an inventive design ontology. <i>Procedia Engineering</i> , 2011, 9, 52-62.	1.2	12
28	An ontology for TRIZ. <i>Procedia Engineering</i> , 2011, 9, 251-260.	1.2	11
29	On contradiction clouds. <i>Procedia Engineering</i> , 2011, 9, 368-378.	1.2	18
30	Evolution hypothesis as a means for linking system parameters and laws of engineering system evolution. <i>Procedia Engineering</i> , 2011, 9, 484-499.	1.2	12
31	Structuring knowledge in inventive design of complex problems. <i>Procedia Engineering</i> , 2011, 9, 694-701.	1.2	5
32	Linking Contradictions and Laws of Engineering System Evolution within the TRIZ Framework. <i>Creativity and Innovation Management</i> , 2009, 18, 71-80.	3.3	20
33	Assisting R&D activities definition through problem mapping. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2009, 1, 131-136.	4.5	24
34	An ontological basis for computer aided innovation. <i>Computers in Industry</i> , 2009, 60, 563-574.	9.9	74
35	From TRIZ to OTSM-TRIZ: addressing complexity challenges in inventive design. <i>International Journal of Product Development</i> , 2007, 4, 4.	0.2	98
36	Parameter network as a means for driving problem solving process. <i>International Journal of Computer Applications in Technology</i> , 2007, 30, 125.	0.5	31

#	ARTICLE	IF	CITATIONS
37	TRIZ : une nouvelle th�orie d'aide � l'innovation industrielle.. Revue Fran�aise De Gestion Industrielle, 1997, 16, 15-27.	1.2	1