Marouane Kessentini

List of Publications by Year in descending order

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		279487	301761
61	2,090	23	39
papers	citations	h-index	g-index

61	61	61	859
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Many-Objective Software Remodularization Using NSGA-III. ACM Transactions on Software Engineering and Methodology, 2015, 24, 1-45.	4.8	197
2	Maintainability defects detection and correction: a multi-objective approach. Automated Software Engineering, 2013, 20, 47-79.	2.2	120
3	Multi-Criteria Code Refactoring Using Search-Based Software Engineering. ACM Transactions on Software Engineering and Methodology, 2016, 25, 1-53.	4.8	106
4	A Cooperative Parallel Search-Based Software Engineering Approach for Code-Smells Detection. IEEE Transactions on Software Engineering, 2014, 40, 841-861.	4.3	92
5	Preference Incorporation in Evolutionary Multiobjective Optimization. Advances in Computers, 2015, 98, 141-207.	1.2	75
6	Design Defects Detection and Correction by Example. , 2011, , .		70
7	Search-Based Web Service Antipatterns Detection. IEEE Transactions on Services Computing, 2017, 10, 603-617.	3.2	69
8	Search-based model transformation by example. Software and Systems Modeling, 2012, 11, 209-226.	2.2	67
9	Search-based software library recommendation using multi-objective optimization. Information and Software Technology, 2017, 83, 55-75.	3.0	66
10	Code-Smell Detection as a Bilevel Problem. ACM Transactions on Software Engineering and Methodology, 2014, 24, 1-44.	4.8	64
11	On the use of many quality attributes for software refactoring: a many-objective search-based software engineering approach. Empirical Software Engineering, 2016, 21, 2503-2545.	3.0	63
12	Recommendation system for software refactoring using innovization and interactive dynamic optimization. , 2014, , .		62
13	Improving multi-objective code-smells correction using development history. Journal of Systems and Software, 2015, 105, 18-39.	3.3	59
14	High dimensional search-based software engineering. , 2014, , .		57
15	Model Transformation as an Optimization Problem. Lecture Notes in Computer Science, 2008, , 159-173.	1.0	55
16	Prioritizing code-smells correction tasks using chemical reaction optimization. Software Quality Journal, 2015, 23, 323-361.	1.4	49
17	Search-based refactoring: Towards semantics preservation. , 2012, , .		48
18	Web Service Antipatterns Detection Using Genetic Programming. , 2015, , .		42

#	Article	IF	Citations
19	Search-Based Refactoring Using Recorded Code Changes. , 2013, , .		39
20	A robust multi-objective approach to balance severity and importance of refactoring opportunities. Empirical Software Engineering, 2017, 22, 894-927.	3.0	39
21	Multi-objective code-smells detection using good and bad design examples. Software Quality Journal, 2017, 25, 529-552.	1.4	39
22	Deviance from perfection is a better criterion than closeness to evil when identifying risky code. , 2010, , .		36
23	On the Impact of Refactoring on the Relationship between Quality Attributes and Design Metrics. , 2019, , .		34
24	Model Refactoring Using Interactive Genetic Algorithm. Lecture Notes in Computer Science, 2013, , 96-110.	1.0	33
25	How we refactor and how we document it? On the use of supervised machine learning algorithms to classify refactoring documentation. Expert Systems With Applications, 2021, 167, 114176.	4.4	32
26	Competitive Coevolutionary Code-Smells Detection. Lecture Notes in Computer Science, 2013, , 50-65.	1.0	31
27	Search-based detection of high-level model changes. , 2012, , .		30
28	On the use of design defect examples to detect model refactoring opportunities. Software Quality Journal, 2016, 24, 947-965.	1.4	30
29	MORE: A multiâ€objective refactoring recommendation approach to introducing design patterns and fixing code smells. Journal of Software: Evolution and Process, 2017, 29, e1843.	1.2	29
30	An Interactive and Dynamic Search-Based Approach to Software Refactoring Recommendations. IEEE Transactions on Software Engineering, 2020, 46, 932-961.	4.3	27
31	Preference-Based Many-Objective Evolutionary Testing Generates Harder Test Cases for Autonomous Agents. Lecture Notes in Computer Science, 2013, , 245-250.	1.0	25
32	Search-based metamodel matching with structural and syntactic measures. Journal of Systems and Software, 2014, 97, 1-14.	3.3	23
33	RefBot: Intelligent Software Refactoring Bot. , 2019, , .		23
34	Reducing interactive refactoring effort via clustering-based multi-objective search. , 2018, , .		21
35	Example-based model-transformation testing. Automated Software Engineering, 2011, 18, 199-224.	2.2	20
36	A Robust Multi-objective Approach for Software Refactoring under Uncertainty. Lecture Notes in Computer Science, 2014, , 168-183.	1.0	18

#	Article	IF	Citations
37	Searching models, modeling search: On the synergies of SBSE and MDE. , 2013, , .		16
38	Multi-objective code reviewer recommendations: balancing expertise, availability and collaborations. Automated Software Engineering, 2020, 27, 301-328.	2.2	15
39	Example-Based Sequence Diagrams to Colored Petri Nets Transformation Using Heuristic Search. Lecture Notes in Computer Science, 2010, , 156-172.	1.0	14
40	Recommending refactorings via commit message analysis. Information and Software Technology, 2020, 126, 106332.	3.0	14
41	Multiobjective Optimization for Software Refactoring and Evolution. Advances in Computers, 2014, 94, 103-167.	1.2	13
42	Model refactoring using examples: a searchâ€based approach. Journal of Software: Evolution and Process, 2014, 26, 692-713.	1.2	13
43	Improving web service interfaces modularity using multi-objective optimization. Automated Software Engineering, 2019, 26, 275-312.	2.2	13
44	A Machine Learning-Based Approach to Detect Web Service Design Defects. , 2017, , .		12
45	A context-based refactoring recommendation approach using simulated annealing. , 2017, , .		11
46	Model refactoring by example: A multiâ€objective search based software engineering approach. Journal of Software: Evolution and Process, 2018, 30, e1916.	1.2	11
47	A Hybrid Approach for Improving the Design Quality of Web Service Interfaces. ACM Transactions on Internet Technology, 2019, 19, 1-24.	3.0	10
48	Web service design defects detection: A bi-level multi-objective approach. Information and Software Technology, 2020, 121, 106255.	3.0	8
49	Software refactoring under uncertainty. , 2014, , .		7
50	Model Transformation Using Multiobjective Optimization. Advances in Computers, 2014, 92, 161-202.	1.2	7
51	Multi-criteria test cases selection for model transformations. Automated Software Engineering, 2020, 27, 91-118.	2.2	7
52	On the value of quality attributes for refactoring ATL model transformations: A multi-objective approach. Information and Software Technology, 2020, 120, 106243.	3.0	6
53	Preference-based multi-objective software modelling. , 2013, , .		5
54	On the Use of Smelly Examples to Detect Code Smells in JavaScript. Lecture Notes in Computer Science, 2017, , 20-34.	1.0	5

#	Article	IF	Citations
55	Enabling Decision and Objective Space Exploration for Interactive Multi-Objective Refactoring. IEEE Transactions on Software Engineering, 2022, 48, 1560-1578.	4.3	4
56	On the Impact of Aesthetic Defects on the Maintainability of Mobile Graphical User Interfaces: An Empirical Study. Information Systems Frontiers, 2022, 24, 659-676.	4.1	4
57	Less is More: From Multi-objective to Mono-objective Refactoring via Developer's Knowledge Extraction. , 2019, , .		2
58	Prioritizing refactorings for security-critical code. Automated Software Engineering, 2021, 28, 1.	2.2	1
59	Improving Web Services Design Quality Using Dimensionality Reduction Techniques. Lecture Notes in Computer Science, 2017, , 499-507.	1.0	1
60	Intelligent Change Operators for Multi-Objective Refactoring. , 2021, , .		1
61	What Refactoring Topics Do Developers Discuss? A Large Scale Empirical Study Using Stack Overflow. IEEE Access, 2022, 10, 56362-56374.	2.6	0