

Sebti Foufou

List of Publications by Year in descending order

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Version: 2024-02-01

141
papers

2,372
citations

516710

16
h-index

243625

44
g-index

146
all docs

146
docs citations

146
times ranked

2180
citing authors

#	ARTICLE	IF	CITATIONS
1	Study and Evaluation of Pre-trained CNN Networks for Cultural Heritage Image Classification. , 2021, , 47-69.		3
2	LaScaDa: A Novel Scalable Topology for Data Center Network. IEEE/ACM Transactions on Networking, 2020, 28, 2051-2064.	3.8	15
3	Investigating low-delay deep learning-based cultural image reconstruction. Journal of Real-Time Image Processing, 2020, 17, 1911-1926.	3.5	7
4	A Graph Database Approach to Wireless IIoT Workcell Performance Evaluation. , 2020, , .		3
5	Smart Manufacturing Testbed for the Advancement of Wireless Adoption in the Factory. IFIP Advances in Information and Communication Technology, 2020, , 176-189.	0.7	0
6	Total Variation for Image Denoising Based on a Novel Smart Edge Detector: An Application to Medical Images. Journal of Mathematical Imaging and Vision, 2019, 61, 106-121.	1.3	10
7	Wireless Interference Estimation Using Machine Learning in a Robotic Force-Seeking Scenario. , 2019, , .		6
8	A proposed mapping method for aligning machine execution data to numerical control code. , 2019, , .		2
9	Exploiting Sparsity in Amplify-and-Forward Broadband Multiple Relay Selection. IEEE Access, 2019, 7, 57985-57995.	4.2	0
10	Green data center networks: a holistic survey and design guidelines. , 2019, , .		14
11	A SysML representation of the wireless factory work cell. International Journal of Advanced Manufacturing Technology, 2019, 104, 119-140.	3.0	5
12	Towards a better integration of modelers and black box constraint solvers within the product design process. Annals of Mathematics and Artificial Intelligence, 2019, 85, 147-173.	1.3	2
13	Simulating a virtual machining model in an agent-based model for advanced analytics. Journal of Intelligent Manufacturing, 2019, 30, 1937-1955.	7.3	11
14	On the Impact of Wireless Communications on Controlling a Two-Dimensional Gantry System. , 2019, , .		1
15	Secondary users selection and sparse narrow-band interference mitigation in cognitive radio networks. Computer Communications, 2018, 123, 97-115.	5.1	9
16	EQUATIONS AND INTERVAL COMPUTATIONS FOR SOME FRACTALS. Fractals, 2018, 26, 1850059.	3.7	1
17	A methodology for the semi-automatic generation of analytical models in manufacturing. Computers in Industry, 2018, 95, 54-67.	9.9	17
18	Model of Mobile Manipulator Performance Measurement using SysML. Journal of Intelligent and Robotic Systems: Theory and Applications, 2018, 92, 65-83.	3.4	4

#	ARTICLE	IF	CITATIONS
19	Towards a Hierarchical Multitask Classification Framework for Cultural Heritage. , 2018, , .		15
20	Leveraging Known Data for Missing Label Prediction in Cultural Heritage Context. Applied Sciences (Switzerland), 2018, 8, 1768.	2.5	29
21	Efficient techniques for energy saving in data center networks. Computer Communications, 2018, 129, 111-124.	5.1	16
22	On Dependability Traffic Load and Energy Consumption Tradeoff in Data Center Networks. , 2018, , .		0
23	Cluster validity index based on Jeffrey divergence. Pattern Analysis and Applications, 2017, 20, 21-31.	4.6	12
24	LaCoDa: Layered connected topology for massive data centers. Journal of Network and Computer Applications, 2017, 83, 169-180.	9.1	7
25	PTNet: An efficient and green data center network. Journal of Parallel and Distributed Computing, 2017, 107, 3-18.	4.1	13
26	Edge guided total variation for image denoising. , 2017, , .		1
27	Integrating Variability Management in Data Center Networks. , 2017, , .		1
28	Achieving energy efficiency in data centers with a performance-guaranteed power aware routing. Computer Communications, 2017, 109, 131-145.	5.1	7
29	Unsupervised geodesic convex combination of shape dissimilarity measures. Pattern Recognition Letters, 2017, 98, 46-52.	4.2	2
30	Cross-industry standard test method developments: from manufacturing to wearable robots. Frontiers of Information Technology and Electronic Engineering, 2017, 18, 1447-1457.	2.6	14
31	Digitization and Preservation of Cultural Heritage Products. IFIP Advances in Information and Communication Technology, 2017, , 241-253.	0.7	9
32	An automated approach to translate a biological process from ODEs into graphical hybrid functional Petri Nets. , 2017, , .		0
33	A 3D shape matching and retrieval approach based on fusion of curvature and geometric diffusion features. International Journal of Computer Applications in Technology, 2017, 55, 79.	0.5	4
34	A Guaranteed Performance of a Green Data Center Based on the Contribution of Vital Nodes. , 2016, , .		3
35	Audio-Visual Video Classification System Design: For Arabic News Domain. , 2016, , .		1
36	VacoNet: Variable and connected architecture for data center networks. , 2016, , .		4

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37	An e-learning mobile system to generate illustrations for Arabic text. , 2016, , .		5
38	Sparsity-aware multiple relay selection in large dual-hop decode-and-forward broadband relay networks. , 2016, , .		6
39	PTNet: A parameterizable data center network. , 2016, , .		6
40	A Survey on Educational Ontologies and Their Development Cycle. IFIP Advances in Information and Communication Technology, 2016, , 649-658.	0.7	0
41	Multispectral Image Denoising Using Optimized Vector NLM Filter. Lecture Notes in Computer Science, 2016, , 309-320.	1.3	0
42	An improved star test for implicit polynomial objects. CAD Computer Aided Design, 2016, 70, 161-170.	2.7	0
43	Re-parameterization reduces irreducible geometric constraint systems. CAD Computer Aided Design, 2016, 70, 182-192.	2.7	3
44	Modified total variation regularization using fuzzy complement for image denoising. , 2015, , .		1
45	wFlatnet: Introducing Wireless in Flatnet Data Center Network. , 2015, , .		5
46	ScalNet: A Novel Network Architecture for Data Centers. , 2015, , .		6
47	Intention recognition in manufacturing applications. Robotics and Computer-Integrated Manufacturing, 2015, 33, 29-41.	9.9	16
48	A kernelized sparsity-based approach for best spectral bands selection for face recognition. Multimedia Tools and Applications, 2015, 74, 8631-8654.	3.9	4
49	A survey of wireless data center networks. , 2015, , .		34
50	Exact, robust, and efficient regularized Booleans on general 3D meshes. Computers and Mathematics With Applications, 2015, 70, 1235-1254.	2.7	26
51	Hyper-Flatnet: A novel network architecture for data centers. , 2015, , .		9
52	Towards bandwidth guaranteed energy efficient data center networking. Journal of Cloud Computing: Advances, Systems and Applications, 2015, 4, .	3.9	20
53	A context-aware approach for long-term behavioural change detection and abnormality prediction in ambient assisted living. Pattern Recognition, 2015, 48, 628-641.	8.1	164
54	Solving the pentahedron problem. CAD Computer Aided Design, 2015, 58, 200-209.	2.7	1

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55	Gravitational weighted fuzzy c-means with application on multispectral image segmentation. , 2014, , .		0
56	Dynamic best spectral bands selection for face recognition. , 2014, , .		4
57	A Novel Image Texture Fusion Scheme for Improving Multispectral Face Recognition. , 2014, , .		2
58	Higher education internationalization: The Erasmus-Mundus network added value. , 2014, , .		1
59	A general framework for performance guaranteed green data center networking. , 2014, , .		11
60	Strengthening surf descriptor with discriminant image filter learning: application to face recognition. , 2014, , .		5
61	Computation of Yvon-Villarceau circles on Dupin cyclides and construction of circular edge right triangles on tori and Dupin cyclides. Computers and Mathematics With Applications, 2014, 68, 1689-1709.	2.7	5
62	A comparative study of best spectral bands selection systems for face recognition. , 2014, , .		0
63	A survey of semantic web concepts applied in web services and big data. , 2014, , .		2
64	Data structures and algorithms for topological analysis. , 2014, , .		0
65	Witness computation for solving geometric constraint systems. , 2014, , .		3
66	A Survey of Clustering Algorithms for Big Data: Taxonomy and Empirical Analysis. IEEE Transactions on Emerging Topics in Computing, 2014, 2, 267-279.	4.6	743
67	Dupin cyclide blends between non-natural quadrics of revolution and concrete shape modeling applications. Computers and Graphics, 2014, 42, 31-41.	2.5	2
68	Towards a Reference Architecture for Archival Systems: Use Case With Product Data. Journal of Computing and Information Science in Engineering, 2014, 14, .	2.7	3
69	Dynamic customisation, validation and integration of product data models using semantic web tools. International Journal of Product Lifecycle Management, 2014, 7, 38.	0.3	2
70	Matching with quantum genetic algorithm and shape contexts. , 2014, , .		3
71	NIR and Visible Image Fusion for Improving Face Recognition at Long Distance. Lecture Notes in Computer Science, 2014, , 549-557.	1.3	8
72	New Geometric Constraint Solving Formulation: Application to the 3D Pentahedron. Lecture Notes in Computer Science, 2014, , 594-601.	1.3	0

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73	Evaluating State-Based Intention Recognition Algorithms against Human Performance. <i>Advances in Intelligent Systems and Computing</i> , 2014, , 219-232.	0.6	0
74	Multilinear Sparse Decomposition for Best Spectral Bands Selection. <i>Lecture Notes in Computer Science</i> , 2014, , 384-391.	1.3	2
75	Cloud-based mobile system for biometrics authentication. , 2013, , .		11
76	A literature review of sensor ontologies for manufacturing applications. , 2013, , .		19
77	A FCM and SURF Based Algorithm for Segmentation of Multispectral Face Images. , 2013, , .		3
78	Ontology-based state representations for intention recognition in human-robot collaborative environments. <i>Robotics and Autonomous Systems</i> , 2013, 61, 1224-1234.	5.1	12
79	Incorporating Haptic and Olfactory into Surgical Simulation. , 2013, , .		0
80	Pixel level fusion of multispectral face images: Short review. , 2013, , .		4
81	Solution isolation strategies for the Bernstein polytopes-based solver. , 2013, , .		0
82	Studies on the Effectiveness of Multispectral Images for Face Recognition: Comparative Studies and New Approaches. , 2013, , .		4
83	Toward a Reference Architecture for Archival Systems. <i>IFIP Advances in Information and Communication Technology</i> , 2013, , 68-77.	0.7	3
84	Inferring Intention through State Representations in Cooperative Human-Robot Environments. <i>Advances in Mechatronics and Mechanical Engineering</i> , 2013, , 122-151.	1.0	4
85	Construction of 3D Triangles on Dupin Cyclides. , 2013, , 113-127.		0
86	Performance evaluation of robotic knowledge representation (PERK). , 2012, , .		4
87	Ontology-based state representation for intention recognition in cooperative human-robot environments. , 2012, , .		5
88	OntoSTEP: Enriching product model data using ontologies. <i>CAD Computer Aided Design</i> , 2012, 44, 575-590.	2.7	195
89	Polytope-based computation of polynomial ranges. <i>Computer Aided Geometric Design</i> , 2012, 29, 18-29.	1.2	5
90	Interrogating witnesses for geometric constraint solving. <i>Information and Computation</i> , 2012, 216, 24-38.	0.7	6

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91	Dynamic Customization and Validation of Product Data Models Using Semantic Web Tools. International Federation for Information Processing, 2012, , 569-577.	0.4	2
92	DEXML: A First Step Toward a UML Based Implementation Framework for PLCS. , 2011, , .		0
93	Construction of 3D Triangles on Dupin Cyclides. International Journal of Computer Vision and Image Processing, 2011, 1, 42-57.	0.4	4
94	A 2D geometric constraint solver using a graph reduction method. Advances in Engineering Software, 2010, 41, 1187-1194.	3.8	9
95	OPTIMIZATIONS FOR TENSORIAL BERNSTEIN-BASED SOLVERS BY USING POLYHEDRAL BOUNDS. International Journal of Shape Modeling, 2010, 16, 109-128.	0.2	2
96	Trademarks recognition based on local regions similarities. , 2010, , .		3
97	Recent advances in multiresolution analysis of 3D meshes and their applications. , 2010, , .		2
98	Polytope-based computation of polynomial ranges. , 2010, , .		0
99	Fuzzy Distributed Genetic Approaches for Image Segmentation. Journal of Computing and Information Technology, 2010, 18, 221.	0.3	3
100	Genetic algorithms for 3d reconstruction with supershapes. , 2009, , .		10
101	An Algorithm to Construct 3D Triangles with Circular Edges. , 2009, , .		0
102	Nonlinear systems solver in floating-point arithmetic using LP reduction. , 2009, , .		11
103	Interrogating witnesses for geometric constraint solving. , 2009, , .		7
104	SIT: Track on Signal Image Technology. , 2009, , .		0
105	Information sharing and exchange in the context of product lifecycle management: Role of standards. CAD Computer Aided Design, 2008, 40, 789-800.	2.7	129
106	Performance evaluation of cost-based vs. fuzzy-logic-based prediction approaches in PRIDE. , 2008, , .		1
107	Fuzzy-logic-based approach for identifying objects of interest in the PRIDE framework. , 2008, , .		3
108	3D Reconstruction of rough terrain for USARSim using a height-map method. , 2008, , .		2

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109	G1-Blend between a Differentiable Superquadric of Revolution and a Plane or a Sphere Using Dupin Cyclides. , 2008, , .		1
110	CPM2: A Core Model for Product Data. Journal of Computing and Information Science in Engineering, 2008, 8, .	2.7	101
111	SITIS 2008 Editorial Messages. , 2008, , .		0
112	Robustness and Randomness. Lecture Notes in Computer Science, 2008, , 127-148.	1.3	0
113	Genetic Algorithms for Gielis Surface Recovery from 3D Data Sets. , 2007, , .		8
114	Rational supershapes for surface reconstruction. , 2007, , .		1
115	Study of ambient light influence for three-dimensional scanners based on structured light. Optical Engineering, 2007, 46, 030502.	1.0	14
116	Color influence on accuracy of 3D scanners based on structured light. , 2006, , .		2
117	Analysis and Evaluation for STEP-Based Electromechanical Assemblies. Journal of Computing and Information Science in Engineering, 2006, 6, 276-287.	2.7	3
118	A Model for Capturing Product Assembly Information. Journal of Computing and Information Science in Engineering, 2006, 6, 11-21.	2.7	73
119	Geometric constraint solving: The witness configuration method. CAD Computer Aided Design, 2006, 38, 284-299.	2.7	29
120	A multiagent system approach for image segmentation using genetic algorithms and extremal optimization heuristics. Pattern Recognition Letters, 2006, 27, 1230-1238.	4.2	47
121	Radial Supershapes for Solid Modeling. Journal of Computer Science and Technology, 2006, 21, 238-243.	1.5	11
122	Geometric constraints solving. , 2006, , .		9
123	Supershape Recovery from 3D Data Sets. , 2006, , .		9
124	INTERVAL-BASED TRACING OF STRANGE ATTRACTORS. International Journal of Computational Geometry and Applications, 2006, 16, 27-39.	0.5	5
125	Detecting All Dependences in Systems of Geometric Constraints Using the Witness Method. , 2006, , 98-112.		2
126	Conversion d'un carreau de BÃ©zier rationnel biquadratique en un carreau de cyclide de Dupin quartique. Techniques Et Sciences Informatiques, 2006, 25, 709-734.	0.0	5

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127	MRF Model-Based Approach for Image Segmentation Using a Chaotic MultiAgent System. Lecture Notes in Computer Science, 2006, , 344-353.	1.3	1
128	Information models for product representation: core and assembly models. International Journal of Product Development, 2005, 2, 207.	0.2	35
129	Numerical decomposition of geometric constraints. , 2005, , .		11
130	Multiresolution analysis for meshes with appearance attributes. , 2005, , .		2
131	Chaotic multiagent system approach for MRF-based image segmentation. Proc Int Symp Image Signal Process Anal, 2005, , .	0.0	2
132	Product lifecycle management support: a challenge in supporting product design and manufacturing in a networked economy. International Journal of Product Lifecycle Management, 2005, 1, 4.	0.3	65
133	Boolean Operations with Implicit and Parametric Representation of Primitives Using R-Functions. IEEE Transactions on Visualization and Computer Graphics, 2005, 11, 529-539.	4.4	45
134	Conversion of Dupin Cyclide Patches into Rational Biquadratic BÄ©zier Form. Lecture Notes in Computer Science, 2005, , 201-218.	1.3	8
135	Analysis and Evaluation for STEP-Based Electro-Mechanical Assemblies: An Integrated Fuzzy AHP Approach. , 2004, , 553.		2
136	Dupin Cyclide Blends Between Quadric Surfaces for Shape Modeling. Computer Graphics Forum, 2004, 23, 321-330.	3.0	13
137	<title>Denoising 3D models with attributes using soft thresholding</title>. , 2004, 5607, 139.		2
138	Multiresolution analysis for irregular meshes. , 2004, , .		7
139	<title>Iterative processes convergency</title>. , 1996, , .		0
140	Generic attribute deviation metric for assessing mesh simplification algorithm quality. , 0, , .		2
141	MRF and multiagent system based approach for image segmentation. , 0, , .		2