Eduardo FernÃ¡ndez-Jover

List of Publications by Year
in descending order

220 papers	5,992 citations	101543 36 h-index	98798 67 g-index
236 all docs	236 docs citations	236 times ranked	6842 citing authors

#	Article	IF	Citations
1	Solving group multi-objective optimization problems by optimizing consensus through multi-criteria ordinal classification. European Journal of Operational Research, 2022, 297, 1014-1029.	5.7	7
2	Selective Induction of Fingertip Sensations for Better Neuroprosthetic Control. Neurology, 2022, 98, 261-262.	1.1	2
3	Hybridisation of Swarm Intelligence Algorithms with Multi-Criteria Ordinal Classification: A Strategy to Address Many-Objective Optimisation. Mathematics, 2022, 10, 322.	2.2	6
4	Thiel embalming in neonates: methodology and benefits in medical training. Anatomical Science International, 2022, 97, 290-296.	1.0	1
5	Handling imperfect information in multiple criteria decision-making through a comprehensive interval outranking approach. Socio-Economic Planning Sciences, 2022, 82, 101254.	5.0	3
6	Nanodiamond Integration into Niosomes as an Emerging and Efficient Gene Therapy Nanoplatform for Central Nervous System Diseases. ACS Applied Materials & Interfaces, 2022, 14, 13665-13677.	8.0	11
7	Preference incorporation in MOEA/D using an outranking approach with imprecise model parameters. Swarm and Evolutionary Computation, 2022, 72, 101097.	8.1	5
8	Autism Spectrum Disorder (ASD): Emotional Intervention Protocol. Lecture Notes in Computer Science, 2022, , 310-322.	1.3	1
9	Electrical Stimulation Induced Current Distribution inÂPeripheral Nerves Varies Significantly withÂtheÂExtent ofÂNerve Damage: A Computational Study Utilizing Convolutional Neural Network andÂRealistic Nerve Models. Lecture Notes in Computer Science, 2022, , 526-535.	1.3	2
10	Older Women Images and Technologies to Increase Gender Peace in Crisis and COVID-19 Times. Lecture Notes in Computer Science, 2022, , 427-440.	1.3	2
11	Visual Prosthesis, Cortical Devices. , 2022, , 3603-3607.		0
12	Time stability and connectivity analysis with an intracortical 96-channel microelectrode array inserted in human visual cortex. Journal of Neural Engineering, 2022, 19, 045001.	3.5	3
13	Technology, Gender and COVID-19. Analysis of Perceived Health in Adults and Older People. Lecture Notes in Computer Science, 2021, , 363-379.	1.3	3
14	A Method for Integration of Preferences to a Multi-Objective Evolutionary Algorithm Using Ordinal Multi-Criteria Classification. Mathematical and Computational Applications, 2021, 26, 27.	1.3	5
15	Development of a Prodrug of Camptothecin for Enhanced Treatment of Glioblastoma Multiforme. Molecular Pharmaceutics, 2021, 18, 1558-1572.	4.6	11
16	Visual Disfunction due to the Selective Effect of Glutamate Agonists on Retinal Cells. International Journal of Molecular Sciences, 2021, 22, 6245.	4.1	9
17	Evaluation and Optimization of Poly-d-Lysine as a Non-Natural Cationic Polypeptide for Gene Transfer in Neuroblastoma Cells. Nanomaterials, 2021, 11, 1756.	4.1	2
18	Transplantation of Human Induced Pluripotent Stem Cell-Derived Retinal Pigment Epithelium in a Swine Model of Geographic Atrophy. International Journal of Molecular Sciences, 2021, 22, 10497.	4.1	10

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19	Visual percepts evoked with an intracortical 96-channel microelectrode array inserted in human occipital cortex. Journal of Clinical Investigation, 2021, 131, .	8.2	87
20	Sphingolipid extracts enhance gene delivery of cationic lipid vesicles into retina and brain. European Journal of Pharmaceutics and Biopharmaceutics, 2021, 169, 103-112.	4.3	9
21	Movement-Related EEG Oscillations of Contralesional Hemisphere Discloses Compensation Mechanisms of Severely Affected Motor Chronic Stroke Patients. International Journal of Neural Systems, 2021, 31, 2150053.	5.2	6
22	Procesamiento cognitivo de las metÃ¡foras visuales publicitarias: un estudio exploratorio con "eye-tracking". Pensar La Publicidad Revista Internacional De Investigaciones Publicitarias, 2021, 14, .	0.2	0
23	Machine Learning Method for Functional Assessment of Retinal Models. , 2021, 2021, 4293-4296.		3
24	Using Biologically-inspired Image Features to Model Retinal Response: Evidence from Biological Datasets. , 2021, 2021, 3378-3381.		0
25	Interval-based extensions of two outranking methods for multi-criteria ordinal classification. Omega, 2020, 95, 102065.	5.9	23
26	MRI evidence of brain atrophy, white matter damage, and functional adaptive changes in patients with cervical spondylosis and prolonged spinal cord compression. European Radiology, 2020, 30, 357-369.	4.5	31
27	Shape perception via a high-channel-count neuroprosthesis in monkey visual cortex. Science, 2020, 370, 1191-1196.	12.6	146
28	Toward Long-Term Communication With the Brain in the Blind by Intracortical Stimulation: Challenges and Future Prospects. Frontiers in Neuroscience, 2020, 14, 681.	2.8	24
29	Neurolight: A Deep Learning Neural Interface for Cortical Visual Prostheses. International Journal of Neural Systems, 2020, 30, 2050045.	5.2	38
30	Artificial intelligence within the interplay between natural and artificial computation: Advances in data science, trends and applications. Neurocomputing, 2020, 410, 237-270.	5.9	121
31	Stability of flexible thin-film metallization stimulation electrodes: analysis of explants after first-in-human study and improvement of in vivo performance. Journal of Neural Engineering, 2020, 17, 046006.	3.5	38
32	Cortical Asymmetries and Connectivity Patterns in the Valence Dimension of the Emotional Brain. International Journal of Neural Systems, 2020, 30, 2050021.	5.2	10
33	Real-Time Multi-Modal Estimation of Dynamically Evoked Emotions Using EEG, Heart Rate and Galvanic Skin Response. International Journal of Neural Systems, 2020, 30, 2050013.	5.2	20
34	Niosome-Based Approach for In Situ Gene Delivery to Retina and Brain Cortex as Immune-Privileged Tissues. Pharmaceutics, 2020, 12, 198.	4.5	34
35	Affective Robot Story-Telling Human-Robot Interaction: Exploratory Real-Time Emotion Estimation Analysis Using Facial Expressions and Physiological Signals. IEEE Access, 2020, 8, 134051-134066.	4.2	24
36	Hybrid evolutionary multi-objective optimisation using outranking-based ordinal classification methods. Swarm and Evolutionary Computation, 2020, 54, 100652.	8.1	11

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37	Using evolutionary computation to infer the decision makerâ€™s preference model in presence of imperfect knowledge: A case study in portfolio optimization. Swarm and Evolutionary Computation, 2020, 54, 100648.	8.1	16
38	Brain and Body Emotional Responses: Multimodal Approximation for Valence Classification. Sensors, 2020, 20, 313.	3.8	14
39	The Effect of Breath Pacing on Task Switching and Working Memory. International Journal of Neural Systems, 2020, 30, 2050028.	5.2	8
40	Brain Angiogenesis Induced by Nonviral Gene Therapy with Potential Therapeutic Benefits for Central Nervous System Diseases. Molecular Pharmaceutics, 2020, 17, 1848-1858.	4.6	9
41	The Promise and Challenges of Developing miRNA-Based Therapeutics for Parkinsonâ€™s Disease. Cells, 2020, 9, 841.	4.1	51
42	Use of Eye-Tracking Technology by Medical Students Taking the Objective Structured Clinical Examination: Descriptive Study. Journal of Medical Internet Research, 2020, 22, e17719.	4.3	7
43	An interval extension of the outranking approach and its application to multiple-criteria ordinal classification. Omega, 2019, 84, 189-198.	5.9	37
44	Evaluation of agomelatine for the treatment of sleep problems in adults with autism spectrum disorder and co-morbid intellectual disability. Journal of Psychopharmacology, 2019, 33, 1395-1406.	4.0	23
45	A Chronic Ocular-Hypertensive Rat Model induced by Injection of the Sclerosant Agent Polidocanol in the Aqueous Humor Outflow Pathway. International Journal of Molecular Sciences, 2019, 20, 3209.	4.1	8
46	Optimization of Real-Time EEG Artifact Removal and Emotion Estimation for Human-Robot Interaction Applications. Frontiers in Computational Neuroscience, 2019, 13, 80.	2.1	26
47	Cationic Niosomes as Non-Viral Vehicles for Nucleic Acids: Challenges and Opportunities in Gene Delivery. Pharmaceutics, 2019, 11, 50.	4.5	59
48	Amino modified metal-organic frameworks as pH-responsive nanoplatforms for safe delivery of camptothecin. Journal of Colloid and Interface Science, 2019, 541, 163-174.	9.4	35
49	Gene delivery to the rat retina by non-viral vectors based on chloroquine-containing cationic niosomes. Journal of Controlled Release, 2019, 304, 181-190.	9.9	38
50	Neurolight Alpha: Interfacing Computational Neural Models for Stimulus Modulation in Cortical Visual Neuroprostheses. Lecture Notes in Computer Science, 2019, , 108-119.	1.3	1
51	Non-viral vectors based on cationic niosomes and minicircle DNA technology enhance gene delivery efficiency for biomedical applications in retinal disorders. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 17, 308-318.	3.3	39
52	An indirect elicitation method for the parameters of the ELECTRE TRI-nB model using genetic algorithms. Applied Soft Computing Journal, 2019, 77, 723-733.	7.2	30
53	An Interval-Based Approach for Evolutionary Multi-Objective Optimization of Project Portfolios. International Journal of Information Technology and Decision Making, 2019, 18, 1317-1358.	3.9	26
54	Metaheuristic Optimisation Algorithms for Tuning a Bioinspired Retinal Model. Sensors, 2019, 19, 4834.	3.8	4

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55	Synchronization of Slow Cortical Rhythms During Motor Imagery-Based Brainâ€“Machine Interface Control. International Journal of Neural Systems, 2019, 29, 1850045.	5.2	15
56	Pharmacogenetics and prediction of adverse events in prescription opioid use disorder patients. Basic and Clinical Pharmacology and Toxicology, 2019, 124, 439-448.	2.5	22
57	Identifying Suitable Brain Regions and Trial Size Segmentation for Positive/Negative Emotion Recognition. International Journal of Neural Systems, 2019, 29, 1850044.	5.2	20
58	Brushstrokes of the Emotional Brain: Cortical Asymmetries for Valence Dimension. Lecture Notes in Computer Science, 2019, , 232-243.	1.3	1
59	Autonomic Modulation During a Cognitive Task Using a Wearable Device. Lecture Notes in Computer Science, 2019, , 69-77.	1.3	1
60	Engineered contrast agents in a single structure forT₁â€“T₂dual magnetic resonance imaging. Nanoscale, 2018, 10, 6349-6360.	5.6	16
61	Characterization of the Effectiveness of Several Outranking-Based Multi-Criteria Sorting Methods. International Journal of Information Technology and Decision Making, 2018, 17, 1047-1084.	3.9	7
62	Biotolerability of Intracortical Microelectrodes. Advanced Biology, 2018, 2, 1700115.	3.0	7
63	Gene transfer to rat cerebral cortex mediated by polysorbate 80 and poloxamer 188 nonionic surfactant vesicles. Drug Design, Development and Therapy, 2018, Volume 12, 3937-3949.	4.3	12
64	Non-viral vectors based on cationic niosomes as efficient gene delivery vehicles to central nervous system cells into the brain. International Journal of Pharmaceutics, 2018, 552, 48-55.	5.2	30
65	A 3D Convolutional Neural Network to Model Retinal Ganglion Cellâ€™s Responses to Light Patterns in Mice. International Journal of Neural Systems, 2018, 28, 1850043.	5.2	13
66	Polysorbate 20 non-ionic surfactant enhances retinal gene delivery efficiency of cationic niosomes after intravitreal and subretinal administration. International Journal of Pharmaceutics, 2018, 550, 388-397.	5.2	28
67	Robustness Analysis of an Outranking Model Parametersâ€™ Elicitation Method in the Presence of Noisy Examples. Mathematical Problems in Engineering, 2018, 2018, 1-10.	1.1	7
68	Delivery of miRNA-Targeted Oligonucleotides in the Rat Striatum by Magnetofection with NeuromagÂ®. Molecules, 2018, 23, 1825.	3.8	32
69	Development of visual Neuroprostheses: trends and challenges. Bioelectronic Medicine, 2018, 4, 12.	2.3	53
70	Use of Eye Tracking as an Innovative Instructional Method in Surgical Human Anatomy. Journal of Surgical Education, 2017, 74, 668-673.	2.5	22
71	System-Level Design of a 64-Channel Low Power Neural Spike Recording Sensor. IEEE Transactions on Biomedical Circuits and Systems, 2017, 11, 420-433.	4.0	25
72	Non-viral vectors based on magnetoplexes, lipoplexes and polyplexes for VEGF gene delivery into central nervous system cells. International Journal of Pharmaceutics, 2017, 521, 130-140.	5.2	19

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73	ELECTRE TRI-nB: A new multiple criteria ordinal classification method. European Journal of Operational Research, 2017, 263, 214-224.	5.7	72
74	Circadian Modulation of Sleep-Wake Dynamics Evaluated by Transition Probabilities. Lecture Notes in Computer Science, 2017, , 404-415.	1.3	0
75	Towards a Deep Learning Model of Retina: Retinal Neural Encoding of Color Flash Patterns. Lecture Notes in Computer Science, 2017, , 464-472.	1.3	2
76	Application of electroencephalographic techniques to the study of visual impact of renewable energies. Journal of Environmental Management, 2017, 200, 484-489.	7.8	7
77	Assessment and Comparison of Evolutionary Algorithms for Tuning a Bio-Inspired Retinal Model. Lecture Notes in Computer Science, 2017, , 95-104.	1.3	0
78	Setting the Parameters for an Accurate EEG (Electroencephalography)-Based Emotion Recognition System. Lecture Notes in Computer Science, 2017, , 265-273.	1.3	2
79	Retinal gene delivery enhancement by lycopene incorporation into cationic niosomes based on DOTMA and polysorbate 60. Journal of Controlled Release, 2017, 254, 55-64.	9.9	54
80	CORTIVIS Approach for an Intracortical Visual Prostheses. , 2017, , 191-201.		21
81	The S1P1 receptor-selective agonist CYM-5442 protects retinal ganglion cells in endothelin-1 induced retinal ganglion cell loss. Experimental Eye Research, 2017, 164, 37-45.	2.6	15
82	Incorporation of implicit decision-maker preferences in multi-objective evolutionary optimization using a multi-criteria classification method. Applied Soft Computing Journal, 2017, 50, 48-57.	7.2	31
83	Neuroplasticity and Blindness: From Clinical Setting to Technology Research. Biosystems and Biorobotics, 2017, , 107-110.	0.3	0
84	Analysis of the effectiveness of the theseus multi-criteria sorting method: theoretical remarks and experimental evidence. Top, 2017, 25, 314-339.	1.6	5
85	Intra-ocular lens optical changes resulting from the loading of dexamethasone. Biomedical Optics Express, 2017, 8, 4621.	2.9	2
86	When Playing Is a Problem: An Atypical Case of Alien Hand Syndrome in a Professional Pianist. Frontiers in Human Neuroscience, 2017, 11, 198.	2.0	3
87	Toward an Improvement of the Analysis of Neural Coding. Frontiers in Neuroinformatics, 2017, 11, 77.	2.5	5
88	Delta-Theta Intertrial Phase Coherence Increases During Task Switching in a BCI Paradigm. Lecture Notes in Computer Science, 2017, , 96-108.	1.3	6
89	A metaheuristic optimization-based indirect elicitation of preference parameters for solving many-objective problems. International Journal of Computational Intelligence Systems, 2017, 10, 56.	2.7	19
90	Temporal Dynamics of Human Emotions: An Study Combining Images and Music. Lecture Notes in Computer Science, 2017, , 245-253.	1.3	1

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91	Utility of eye-tracking technology for preparing medical students in Spain for the summative objective structured clinical examination. Journal of Educational Evaluation for Health Professions, 2017, 14, 27.	12.6	2
92	A Swine Model of Selective Geographic Atrophy of Outer Retinal Layers Mimicking Atrophic AMD: A Phase I Escalating Dose of Subretinal Sodium Iodate. , 2016, 57, 3974.		53
93	Introduction to the Special Issue on Evaluating the Security of Complex Systems. Information (Switzerland), 2016, 7, 46.	2.9	1
94	Gd-Si Oxide Nanoparticles as Contrast Agents in Magnetic Resonance Imaging. Nanomaterials, 2016, 6, 109.	4.1	14
95	EEG-Based Detection of Starting and Stopping During Gait Cycle. International Journal of Neural Systems, 2016, 26, 1650029.	5.2	36
96	Optical control of endogenous receptors and cellular excitability using targeted covalent photoswitches. Nature Communications, 2016, 7, 12221.	12.8	50
97	Introduction. International Journal of Neural Systems, 2016, 26, 1602001.	5.2	0
98	Development and characterization of a microfluidic model of the tumour microenvironment. Scientific Reports, 2016, 6, 36086.	3.3	95
99	Clinical applications of penetrating neural interfaces and Utah Electrode Array technologies. Journal of Neural Engineering, 2016, 13, 061003.	3.5	101
100	Handling the Multiplicity of Solutions in a Moea Based PDA-THESEUS Framework for Multi-Criteria Sorting. Foundations of Computing and Decision Sciences, 2016, 41, 213-235.	1.2	14
101	Automatic Tuning of a Retina Model for a Cortical Visual Neuroprosthesis Using a Multi-Objective Optimization Genetic Algorithm. International Journal of Neural Systems, 2016, 26, 1650021.	5.2	16
102	Supervised and Dynamic Neuro-Fuzzy Systems to Classify Physiological Responses in Robot-Assisted Neurorehabilitation. PLoS ONE, 2015, 10, e0127777.	2.5	6
103	Using EEG Signals to Detect the Intention of Walking Initiation and Stop. Lecture Notes in Computer Science, 2015, , 278-287.	1.3	7
104	Real-time characterization of the neuronal response to osmotic shock by digital holographic microscopy. Proceedings of SPIE, 2015, , .	0.8	0
105	Enduring high-efficiency in vivo transfection of neurons with non-viral magnetoparticles in the rat visual cortex for optogenetic applications. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 835-843.	3.3	28
106	Gdâ€“Si oxide mesoporous nanoparticles with pre-formed morphology prepared from a Prussian blue analogue template. Dalton Transactions, 2015, 44, 14034-14041.	3.3	10
107	FPGA Translation of Functional Hippocampal Cultures Structures Using Cellular Neural Networks. Lecture Notes in Computer Science, 2015, , 228-237.	1.3	0
108	Hearing colors: an example of brain plasticity. Frontiers in Systems Neuroscience, 2015, 9, 56.	2.5	46

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109	Hybrid metaheuristic approach for handling many objectives and decisions on partial support in project portfolio optimisation. Information Sciences, 2015, 315, 102-122.	6.9	45
110	A 64-channel ultra-low power system-on-chip for local field and action potentials recording. Proceedings of SPIE, 2015, , .	0.8	0
111	Development of a cortical visual neuroprosthesis for the blind: Replacing the role of the retina. , 2015, , .		0
112	On the Automatic Tuning of a Retina Model by Using a Multi-objective Optimization Genetic Algorithm. Lecture Notes in Computer Science, 2015, , 108-118.	1.3	8
113	Towards the Reconstruction of Moving Images by Populations of Retinal Ganglion Cells. Lecture Notes in Computer Science, 2015, , 220-227.	1.3	5
114	Asynchronous EEG/ERP Acquisition for EEG Teleservices. Lecture Notes in Computer Science, 2015, , 296-304.	1.3	1
115	Interstimulus Interval Affects Population Response in Visual Cortex in vivo. Lecture Notes in Computer Science, 2015, , 213-219.	1.3	0
116	Neural Recognition of Real and Computer-Designed Architectural Images. Lecture Notes in Computer Science, 2015, , 451-458.	1.3	0
117	Acute human brain responses to intracortical microelectrode arrays: challenges and future prospects. Frontiers in Neuroengineering, 2014, 7, 24.	4.8	124
118	NEV2lkit: A NEW OPEN SOURCE TOOL FOR HANDLING NEURONAL EVENT FILES FROM MULTI-ELECTRODE RECORDINGS. International Journal of Neural Systems, 2014, 24, 1450009.	5.2	20
119	In vivo measurements with a 64-channel extracellular neural recording integrated circuit. , 2014, , .		1
120	SYSTEM FOR MEASURING RODENTS' VISUAL FUNCTION: DESIGN AND IMPLEMENTATION. Biomedical Engineering - Applications, Basis and Communications, 2014, 26, 1450018.	0.6	1
121	Dynamics and morphometric characterization of hippocampus neurons using digital holographic microscopy. , 2014, , .		0
122	A Novel Formulation Based on 2,3-Di(tetradecyloxy)propan-1-amine Cationic Lipid Combined with Polysorbate 80 for Efficient Gene Delivery to the Retina. Pharmaceutical Research, 2014, 31, 1665-1675.	3.5	19
123	Restoring Natural Sensory Feedback in Real-Time Bidirectional Hand Prostheses. Science Translational Medicine, 2014, 6, 222ra19.	12.4	805
124	Robot-assisted rehabilitation treatment of a 65-year old woman with alien hand syndrome. , 2014, , .		2
125	A 330μW, 64-channel neural recording sensor with embedded spike feature extraction and auto-calibration. , 2014, , .		2
126	Many-Objective Portfolio Optimization of Interdependent Projects with â€˜a prioriâ€™ Incorporation of Decision-Maker Preferences. Applied Mathematics and Information Sciences, 2014, 8, 1517-1531.	0.5	32

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127	Wnt/Î²-Catenin Signaling Triggers Neuron Reprogramming and Regeneration in the Mouse Retina. Cell Reports, 2013, 4, 271-286.	6.4	84
128	Core: A decision support system for regional competitiveness analysis based on multi-criteria sorting. Decision Support Systems, 2013, 54, 1417-1426.	5.9	25
129	Transfer of brachioradialis motor branch to the anterior interosseous nerve in C8â€¶1 brachial plexus palsy. An anatomic study. Microsurgery, 2013, 33, 297-300.	1.3	16
130	Classification method for BCIs based on the correlation of EEG maps. Neurocomputing, 2013, 114, 98-106.	5.9	17
131	RetinaStudio: A bioinspired framework to encode visual information. Neurocomputing, 2013, 114, 45-53.	5.9	14
132	Novel vehicle for exploring networks dynamics in excitable tissue. Neurocomputing, 2013, 114, 9-14.	5.9	0
133	Pharmacokinetic study of Growth Hormone-Releasing Peptide 6 (GHRP-6) in nine male healthy volunteers. European Journal of Pharmaceutical Sciences, 2013, 48, 40-46.	4.0	8
134	A low-cost multichannel wireless neural stimulation system for freely roaming animals. Journal of Neural Engineering, 2013, 10, 066010.	3.5	13
135	Robotic assessment of the influence of age on upper-limb sensorimotor function. Clinical Interventions in Aging, 2013, 8, 879.	2.9	10
136	Training Study Approaches for a SVM-Based BCI: Adaptation to the Model vs Adaptation to the User. Lecture Notes in Computer Science, 2013, , 131-140.	1.3	2
137	Empirical Analysis of the Integration of a BCI and an EOG Interface to Control a Robot Arm. Lecture Notes in Computer Science, 2013, , 151-160.	1.3	1
138	Modeling the Effect of Fixational Eye Movements in Natural Scenes. Lecture Notes in Computer Science, 2013, , 332-341.	1.3	3
139	A Novel Approach for Quantitative Analysis of 3D Phosphenes. Lecture Notes in Computer Science, 2013, , 342-349.	1.3	0
140	Neural Spike Activation in Hippocampal Cultures Using Hebbian Electrical Stimulation. Lecture Notes in Computer Science, 2013, , 37-47.	1.3	1
141	Evolutionary multi-objective optimization for inferring outranking modelâ€™s parameters under scarce reference information and effects of reinforced preference. Foundations of Computing and Decision Sciences, 2012, 37, 163-197.	1.2	23
142	Advanced hyperbaric oxygen therapies in automated multiplace chambers. , 2012, , .		0
143	Dextran and Protamine-Based Solid Lipid Nanoparticles as Potential Vectors for the Treatment of X-Linked Juvenile Retinoschisis. Human Gene Therapy, 2012, 23, 345-355.	2.7	77
144	Biomarcadores cardÃacos: Presente y futuro. Revista Colombiana De Cardiologia, 2012, 19, 300-311.	0.1	1

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145	Multifunctional hybrid materials for combined photo and chemotherapy of cancer. Dalton Transactions, 2012, 41, 9286.	3.3	40
146	Multimodal Interfaces to Improve Therapeutic Outcomes in Robot-Assisted Rehabilitation. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 1152-1158.	2.9	24
147	Anti-Obesity Sodium Tungstate Treatment Triggers Axonal and Glial Plasticity in Hypothalamic Feeding Centers. PLoS ONE, 2012, 7, e39087.	2.5	8
148	Visual Prostheses. , 2011, , 821-834.		4
149	Fixed drug eruption caused by iodinated contrast media. Contact Dermatitis, 2011, 65, 43-44.	1.4	12
150	Increasing selective pressure towards the best compromise in evolutionary multiobjective optimization: The extended NOSGA method. Information Sciences, 2011, 181, 44-56.	6.9	61
151	Randomized, double-blind, placebo-controled clinical trial of sublingual immunotherapy in natural rubber latex allergic patients. Trials, 2011, 12, 191.	1.6	24
152	A new approach to multi-criteria sorting based on fuzzy outranking relations: The THESEUS method. European Journal of Operational Research, 2011, 213, 405-413.	5.7	62
153	Implementation of a CNN-based retinomorphic model on a high performance reconfigurable computer. Neurocomputing, 2011, 74, 1290-1297.	5.9	2
154	Reprint of: V-Proportion: A method based on the Voronoi diagram to study spatial relations in neuronal mosaics of the retina. Neurocomputing, 2011, 74, 1165-1174.	5.9	4
155	Cortical Plasticity and Reorganization in Severe Vision Loss. , 2011, , 77-92.		2
156	An Optimized Framework to Model Vertebrate Retinas. Lecture Notes in Computer Science, 2011, , 185-194.	1.3	0
157	Analysis of EEG Mapping Images to Differentiate Mental Tasks in Brain-Computer Interfaces. Lecture Notes in Computer Science, 2011, , 246-255.	1.3	2
158	Mental tasks-based brainâ€“robot interface. Robotics and Autonomous Systems, 2010, 58, 1238-1245.	5.1	79
159	A clientâ€“server architecture for remotely controlling a robot using a closed-loop system with a biological neuroprocessor. Robotics and Autonomous Systems, 2010, 58, 1223-1230.	5.1	7
160	V-Proportion: A method based on the Voronoi diagram to study spatial relations in neuronal mosaics of the retina. Neurocomputing, 2010, 74, 418-427.	5.9	6
161	Kinematics of a robotic 3UPS1S spherical wrist designed for laparoscopic applications. International Journal of Medical Robotics and Computer Assisted Surgery, 2010, 6, 291-300.	2.3	33
162	Interface Based on Electrooculography for Velocity Control of a Robot Arm. Applied Bionics and Biomechanics, 2010, 7, 199-207.	1.1	14

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163	Improving the Response of Accelerometers for Automotive Applications by Using LMS Adaptive Filters: Part II. Sensors, 2010, 10, 952-962.	3.8	5
164	Improving the Response of Accelerometers for Automotive Applications by Using LMS Adaptive Filters. Sensors, 2010, 10, 313-329.	3.8	17
165	Interface based on electrooculography for velocity control of a robot arm. Applied Bionics and Biomechanics, 2010, 7, 199-207.	1.1	15
166	Transpupillary thermotherapy: New observations on neuroprotection of retinal ganglion cells. Neuroscience Letters, 2010, 476, 1-2.	2.1	0
167	P300-Based Brain-Computer Interface for Internet Browsing. Advances in Intelligent and Soft Computing, 2010, , 615-622.	0.2	16
168	LDA-based classifiers for a mental tasks-based Brain-Computer Interface. , 2010, , .		8
169	Biocompatibility of intracortical microelectrodes: current status and future prospects. Frontiers in Neuroengineering, 2010, 3, 8.	4.8	132
170	Study of the contrast processing in the early visual system using a neuromorphic retinal architecture. Neurocomputing, 2009, 72, 928-935.	5.9	7
171	The neural concert of vision. Neurocomputing, 2009, 72, 814-819.	5.9	6
172	Searching for semantics in the retinal code. Neurocomputing, 2009, 72, 806-813.	5.9	3
173	Organicâ€“Inorganic Nanospheres with Responsive Molecular Gates for Drug Storage and Release. Angewandte Chemie - International Edition, 2009, 48, 6247-6250.	13.8	67
174	Multicriteria sorting using a valued indifference relation under a preference disaggregation paradigm. European Journal of Operational Research, 2009, 198, 602-609.	5.7	49
175	Easily made single-walled carbon nanotube surface microelectrodes for neuronal applications. Biosensors and Bioelectronics, 2009, 24, 1942-1948.	10.1	54
176	Brain-Robot Interface for Controlling a Remote Robot Arm. Lecture Notes in Computer Science, 2009, , 353-361.	1.3	8
177	Toward the development of a cortically based visual neuroprosthesis. Journal of Neural Engineering, 2009, 6, 035001.	3.5	122
178	Proton magnetic resonance spectroscopy (1H-MRS) reveals the presence of elevated myo-inositol in the occipital cortex of blind subjects. NeuroImage, 2009, 47, 1172-1176.	4.2	29
179	Multicriteria sorting using a valued preference closeness relation. European Journal of Operational Research, 2008, 185, 673-686.	5.7	33
180	A retinomorphic architecture based on discrete-time cellular neural networks using reconfigurable computing. Neurocomputing, 2008, 71, 766-775.	5.9	16

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