

David Romero

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

168
papers

4,595
citations

35
h-index

63
g-index

177
ext. papers

5,495
ext. citations

3.7
avg, IF

6.12
L-index

#	Paper	IF	Citations
168	Designing human-robot collaboration (HRC) workspaces in industrial settings: A systematic literature review. <i>Journal of Manufacturing Systems</i> , 2022 , 62, 28-43	9.1	7
167	Ergonomics and Safety in the Design of Industrial Collaborative Robotics. <i>Studies in Systems, Decision and Control</i> , 2022 , 465-478	0.8	0
166	RdsA Is a Global Regulator That Controls Cell Shape and Division in .. <i>Frontiers in Microbiology</i> , 2022 , 13, 858440	5.7	
165	Augmented Workforce Canvas: a management tool for guiding human-centric, value-driven human-technology integration in industry. <i>Computers and Industrial Engineering</i> , 2021 , 163, 107803	6.4	3
164	Towards The Resilient Operator 5.0: The Future of Work in Smart Resilient Manufacturing Systems. <i>Procedia CIRP</i> , 2021 , 104, 1089-1094	1.8	15
163	A Decision Support System to Operationalize Customer-Centric Sustainability. <i>Procedia CIRP</i> , 2021 , 103, 122-127	1.8	1
162	Smart Wearable and Collaborative Technologies for the Operator 4.0 in the Present and Post-COVID Digital Manufacturing Worlds. <i>Smart and Sustainable Manufacturing Systems</i> , 2021 , 5, 20200084	0.8	0
161	Developing Digital Supply Network Visibility Towards Transparency and Predictability. <i>IFIP Advances in Information and Communication Technology</i> , 2021 , 13-21	0.5	
160	Product-service systems evolution in the era of Industry 4.0. <i>Service Business</i> , 2021 , 15, 177-207	3.9	27
159	When Softbots Meet Digital Twins: Towards Supporting the Cognitive Operator 4.0. <i>IFIP Advances in Information and Communication Technology</i> , 2021 , 37-47	0.5	1
158	Transformation of Manufacturing Firms: Towards Digital Servitization. <i>IFIP Advances in Information and Communication Technology</i> , 2021 , 153-161	0.5	3
157	Advances in Production Management Systems: Issues, Trends, and Vision Towards 2030. <i>IFIP Advances in Information and Communication Technology</i> , 2021 , 194-221	0.5	
156	Integrating Sustainability Considerations into Product Variety and Portfolio Management. <i>Procedia CIRP</i> , 2020 , 93, 605-609	1.8	3
155	Repetitive DNA profile of the amphibian mitogenome. <i>BMC Bioinformatics</i> , 2020 , 21, 197	3.6	2
154	Human-Computer-Machine Interaction for the Supervision of Flexible Manufacturing Systems: A Case Study. <i>IFAC-PapersOnLine</i> , 2020 , 53, 10550-10555	0.7	3
153	A Case Study for Problem-based Learning Education in Fault Diagnosis Assessment. <i>IFAC-PapersOnLine</i> , 2020 , 53, 107-112	0.7	3
152	Agent- and Skill-Based Process Interoperability for Socio-Technical Production Systems-of-Systems. <i>IFIP Advances in Information and Communication Technology</i> , 2020 , 46-54	0.5	0

151	Challenges for the Operator 3.0 Addressed Through the Enabling Technologies of the Operator 4.0. <i>IFIP Advances in Information and Communication Technology</i> , 2020 , 37-45	0.5	
150	Production Management as-a-Service: A Softbot Approach. <i>IFIP Advances in Information and Communication Technology</i> , 2020 , 19-30	0.5	4
149	New Forms of Gemba Walks and Their Digital Tools in the Digital Lean Manufacturing World. <i>IFIP Advances in Information and Communication Technology</i> , 2020 , 432-440	0.5	4
148	Exploring the Path Towards Construction 4.0: Collaborative Networks and Enterprise Architecture Views. <i>IFIP Advances in Information and Communication Technology</i> , 2020 , 547-556	0.5	1
147	Smart Logistics and The Logistics Operator 4.0. <i>IFAC-PapersOnLine</i> , 2020 , 53, 10615-10620	0.7	17
146	Towards a Cyber-Physical PLM Environment: The Role of Digital Product Models, Intelligent Products, Digital Twins, Product Avatars and Digital Shadows. <i>IFAC-PapersOnLine</i> , 2020 , 53, 10911-10916	0.7	8
145	A comprehensive description of the Product-Service Systems Cost estimation process: An integrative review. <i>International Journal of Production Economics</i> , 2020 , 221, 107481	9.3	6
144	Ramping Up Customer-Centric Modular Design Projects: Mobile App Development for Pandemic Relief. <i>Systems</i> , 2020 , 8, 40	3	3
143	Circular Economy in Mexico's Electronic and Cell Phone Industry: Recent Evidence of Consumer Behavior. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 7744	2.6	4
142	Role of plant compounds in the modulation of the conjugative transfer of pRet42a. <i>PLoS ONE</i> , 2020 , 15, e0238218	3.7	1
141	A smart manufacturing adoption framework for SMEs. <i>International Journal of Production Research</i> , 2020 , 58, 1555-1573	7.8	54
140	Circular Lean Product-Service Systems Design: A Literature Review, Framework Proposal and Case Studies. <i>Procedia CIRP</i> , 2019 , 83, 419-424	1.8	10
139	Building Blocks for Adopting Smart Manufacturing. <i>Procedia Manufacturing</i> , 2019 , 34, 978-985	1.5	8
138	Phylogenomic Species Are Structured by a Continuum of Diversity and Genomic Clusters. <i>Frontiers in Microbiology</i> , 2019 , 10, 910	5.7	20
137	Conjugative transfer between <i>Rhizobium etli</i> endosymbionts inside the root nodule. <i>Environmental Microbiology</i> , 2019 , 21, 3430	5.2	10
136	Circular Economy in the Electronic Products Sector: Material Flow Analysis and Economic Impact of Cellphone E-Waste in Mexico. <i>Sustainability</i> , 2019 , 11, 1361	3.6	30
135	Plasmid pSfr64a and the symbiotic plasmid pSfr64b of <i>Sinorhizobium fredii</i> GR64 control each other's conjugative transfer through quorum-sensing elements. <i>Plasmid</i> , 2019 , 106, 102443	3.3	2
134	The APMS Conference & IFIP WG5.7 in the 21st Century: A Bibliometric Study. <i>IFIP Advances in Information and Communication Technology</i> , 2019 , 1-13	0.5	1

133	Collaborative Softbots: Enhancing Operational Excellence in Systems of Cyber-Physical Systems. <i>IFIP Advances in Information and Communication Technology</i> , 2019 , 55-68	0.5	5
132	Total Quality Management and Quality Circles in the Digital Lean Manufacturing World. <i>IFIP Advances in Information and Communication Technology</i> , 2019 , 3-11	0.5	12
131	Cyber-Physical Waste Identification and Elimination Strategies in the Digital Lean Manufacturing World. <i>IFIP Advances in Information and Communication Technology</i> , 2019 , 37-45	0.5	6
130	The Impact of Digital Technologies on Services Characteristics: Towards Digital Servitization. <i>IFIP Advances in Information and Communication Technology</i> , 2019 , 493-501	0.5	7
129	Strategies for Implementing Collaborative Robot Applications for the Operator 4.0. <i>IFIP Advances in Information and Communication Technology</i> , 2019 , 682-689	0.5	6
128	Highlights in Customer-driven Operations Management Research. <i>Procedia CIRP</i> , 2019 , 86, 12-19	1.8	6
127	Rethinking Jidoka Systems under Automation & Learning Perspectives in the Digital Lean Manufacturing World. <i>IFAC-PapersOnLine</i> , 2019 , 52, 899-903	0.7	34
126	Smart manufacturing: Characteristics, technologies and enabling factors. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2019 , 233, 1342-1361	2.4	201
125	Towards (pro-)active intelligent products. <i>International Journal of Product Lifecycle Management</i> , 2018 , 11, 154	1.5	17
124	Towards a Smart Manufacturing Maturity Model for SMEs (SM3E). <i>IFIP Advances in Information and Communication Technology</i> , 2018 , 155-163	0.5	17
123	Towards Digital Lean Cyber-Physical Production Systems: Industry 4.0 Technologies as Enablers of Leaner Production. <i>IFIP Advances in Information and Communication Technology</i> , 2018 , 353-362	0.5	22
122	Modeling agents as joint cognitive systems in smart manufacturing systems. <i>Manufacturing Letters</i> , 2018 , 17, 6-8	4.5	41
121	Towards a Smart Manufacturing Toolkit for SMEs. <i>IFIP Advances in Information and Communication Technology</i> , 2018 , 476-487	0.5	13
120	A critical review of smart manufacturing & Industry 4.0 maturity models: Implications for small and medium-sized enterprises (SMEs). <i>Journal of Manufacturing Systems</i> , 2018 , 49, 194-214	9.1	350
119	An Industry 4.0-Enabled Low Cost Predictive Maintenance Approach for SMEs 2018 ,		17
118	Digital Lean Cyber-Physical Production Systems: The Emergence of Digital Lean Manufacturing and the Significance of Digital Waste. <i>IFIP Advances in Information and Communication Technology</i> , 2018 , 11-20	0.5	29
117	Softbots Supporting the Operator 4.0 at Smart Factory Environments. <i>IFIP Advances in Information and Communication Technology</i> , 2018 , 456-464	0.5	20
116	Digitalizing Occupational Health, Safety and Productivity for the Operator 4.0. <i>IFIP Advances in Information and Communication Technology</i> , 2018 , 473-481	0.5	26

115	Complete Genome Sequences of Three Symbionts Associated with Common Bean (). <i>Genome Announcements</i> , 2017 , 5,		5
114	A Cost-Engineering Method for Product-Service Systems Based on Stochastic Process Modelling: Bergamo's Bike-Sharing PSS. <i>Procedia CIRP</i> , 2017 , 64, 417-422	1.8	6
113	Expanding the industrial design space through production innovation(s) 2017 ,		3
112	Complete Genome Sequences of Eight Symbionts Associated with Common Bean (). <i>Genome Announcements</i> , 2017 , 5,		8
111	Towards Circular Lean Product-Service Systems. <i>Procedia CIRP</i> , 2017 , 64, 13-18	1.8	26
110	Implementation of best manufacturing practices using logic models and system dynamics: project design and project assessment views. <i>Information Systems and E-Business Management</i> , 2017 , 15, 535-575 ^{2.6}		
109	Towards Green Sensing Virtual Enterprises: Interconnected Sensing Enterprises, Intelligent Assets and Smart Products in the Cyber-Physical Circular Economy. <i>IFAC-PapersOnLine</i> , 2017 , 50, 11719-11724	0.7	18
108	Collaborative product-service systems engineering: Towards an active role of customers and stakeholders in value co-creation 2017 ,		9
107	On the future of project management innovation: A call for discussion towards project management 2030 2017 ,		4
106	Green Virtual Enterprise Breeding Environments Enabling the RESOLVE Framework. <i>IFIP Advances in Information and Communication Technology</i> , 2017 , 603-613	0.5	4
105	Strategizing for Production Innovation. <i>IFIP Advances in Information and Communication Technology</i> , 2017 , 3-12	0.5	4
104	Social Factory Architecture: Social Networking Services and Production Scenarios Through the Social Internet of Things, Services and People for the Social Operator 4.0. <i>IFIP Advances in Information and Communication Technology</i> , 2017 , 265-273	0.5	28
103	New perspectives for the future interoperable enterprise systems. <i>Computers in Industry</i> , 2016 , 79, 47-63 ^{1.6}	1.6	68
102	Enterprise information systems state of the art: Past, present and future trends. <i>Computers in Industry</i> , 2016 , 79, 3-13	11.6	120
101	A service-oriented architecture and its ICT-infrastructure to support eco-efficiency performance monitoring in manufacturing enterprises. <i>International Journal of Computer Integrated Manufacturing</i> , 2016 , 1-13	4.3	6
100	Enterprise engineering and management at the crossroads. <i>Computers in Industry</i> , 2016 , 79, 87-102	11.6	26
99	The Operator 4.0: Human Cyber-Physical Systems & Adaptive Automation Towards Human-Automation Symbiosis Work Systems. <i>IFIP Advances in Information and Communication Technology</i> , 2016 , 677-686	0.5	164
98	Site-specific bacterial chromosome engineering mediated by IntA integrase from <i>Rhizobium etli</i> . <i>BMC Microbiology</i> , 2016 , 16, 133	4.5	1

97	Biased Gene Conversion in <i>Rhizobium etli</i> Is Caused by Preferential Double-Strand Breaks on One of the Recombining Homologs. <i>Journal of Bacteriology</i> , 2016 , 198, 591-9	3.5	2
96	A System Quality Attributes Ontology for Product-Service Systems Functional Measurement Based on a Holistic Approach. <i>Procedia CIRP</i> , 2016 , 47, 78-83	1.8	14
95	Towards a Cost Engineering Method for Product-Service Systems Based on a System Cost Uncertainty Analysis. <i>Procedia CIRP</i> , 2016 , 47, 84-89	1.8	9
94	Green Virtual Enterprises and their Breeding Environments: Engineering their Sustainability as Systems of Systems for the Circular Economy. <i>IFAC-PapersOnLine</i> , 2015 , 48, 2258-2265	0.7	9
93	Development of molecular tools to monitor conjugative transfer in rhizobia. <i>Journal of Microbiological Methods</i> , 2015 , 117, 155-63	2.8	16
92	A multidisciplinary framework and toolkit to innovate customer-centric new product development 2015 ,		3
91	Serious Games and Virtual Simulator for Automotive Manufacturing Education & Training. <i>Procedia Computer Science</i> , 2015 , 75, 267-274	1.6	29
90	Developing a Mixed Reality Assistance System Based on Projection Mapping Technology for Manual Operations at Assembly Workstations. <i>Procedia Computer Science</i> , 2015 , 75, 327-333	1.6	47
89	Leveraging collaborative innovation in SOA-based software providers networks 2015 ,		2
88	Towards a Human-Centred Reference Architecture for Next Generation Balanced Automation Systems: Human-Automation Symbiosis. <i>IFIP Advances in Information and Communication Technology</i> , 2015 , 556-566	0.5	49
87	Innovation Ecosystems: A Collaborative Networks Perspective. <i>IFIP Advances in Information and Communication Technology</i> , 2015 , 323-336	0.5	6
86	Green Virtual Enterprise Breeding Environments Bag of Assets Management: A Contribution to the Sharing Economy. <i>IFIP Advances in Information and Communication Technology</i> , 2015 , 439-447	0.5	8
85	The cation diffusion facilitator protein EmfA of <i>Rhizobium etli</i> belongs to a novel subfamily of Mn(2+)/Fe(2+) transporters conserved in ϵ proteobacteria. <i>Metallomics</i> , 2014 , 6, 1808-15	4.5	16
84	Genomic basis of symbiovar mimosae in <i>Rhizobium etli</i> . <i>BMC Genomics</i> , 2014 , 15, 575	4.5	20
83	Design for sustainable mass-customization: Design guidelines for sustainable mass-customized products 2014 ,		10
82	Rhizobial plasmid pLPU83a is able to switch between different transfer machineries depending on its genomic background. <i>FEMS Microbiology Ecology</i> , 2014 , 88, 565-78	4.3	17
81	Green Virtual Enterprise Broker: Enabling Build-to-Order Supply Chains for Sustainable Customer-Driven Small Series Production. <i>Lecture Notes in Computer Science</i> , 2014 , 431-441	0.9	2
80	Boundaries for Conjugative Transfer of Rhizobial Plasmids: Restraining and Releasing Factors 2014 , 43-54		3

79	Leveraging the Zachman framework implementation using action research methodology: a case study: aligning the enterprise architecture and the business goals. <i>Enterprise Information Systems</i> , 2013 , 7, 100-132	3.5	29
78	(University) technology parks toolkit: Knowledge transfer and innovation The Tecnológico de Monterrey experience 2013 ,		1
77	Reverse Green Virtual Enterprises and Their Breeding Environments: Closed-Loop Networks. <i>IFIP Advances in Information and Communication Technology</i> , 2013 , 589-598	0.5	11
76	Characterization of IntA, a bidirectional site-specific recombinase required for conjugative transfer of the symbiotic plasmid of Rhizobium etli CFN42. <i>Journal of Bacteriology</i> , 2013 , 195, 4668-77	3.5	3
75	A Modeling Approach towards an Extended Product Data Model for Sustainable Mass-Customized Products. <i>IFAC Postprint Volumes IPPV/International Federation of Automatic Control</i> , 2013 , 46, 579-583		1
74	Understanding microbial community diversity metrics derived from metagenomes: performance evaluation using simulated data sets. <i>FEMS Microbiology Ecology</i> , 2012 , 82, 37-49	4.3	8
73	Enterprise integration engineering reference framework and toolbox. <i>International Journal of Production Research</i> , 2012 , 50, 1489-1511	7.8	12
72	Draft genome sequence of the bean-nodulating Sinorhizobium fredii strain GR64. <i>Journal of Bacteriology</i> , 2012 , 194, 6978	3.5	2
71	On the management of virtual enterprise's inheritance between virtual manufacturing & service enterprises: Supporting dynamic product-service business ecosystems 2012 ,		6
70	Green Virtual Enterprise Breeding Environments: A Sustainable Industrial Development Model for a Circular Economy. <i>International Federation for Information Processing</i> , 2012 , 427-436		19
69	Housekeeping genes essential for pantothenate biosynthesis are plasmid-encoded in Rhizobium etli and Rhizobium leguminosarum. <i>BMC Microbiology</i> , 2011 , 11, 66	4.5	25
68	Collaborative networked organisations and customer communities: value co-creation and co-innovation in the networking era. <i>Production Planning and Control</i> , 2011 , 22, 447-472	4.3	257
67	A Supervised Adaptive Neuro-Fuzzy Inference System controller for a Hybrid Electric Vehicle's power train system 2011 ,		2
66	The conjugative plasmid of a bean-nodulating Sinorhizobium fredii strain is assembled from sequences of two Rhizobium plasmids and the chromosome of a Sinorhizobium strain. <i>BMC Microbiology</i> , 2011 , 11, 149	4.5	33
65	Fuzzy C-Means Clustering Technique Applied for Modeling Parameters of an Intelligent Greenhouse Open Control System 2011 ,		2
64	Concurrent Conceptual Evaluation of Tolerances Synthesis in Mechanical Design. <i>Concurrent Engineering Research and Applications</i> , 2011 , 19, 175-186	1.7	4
63	Plasmids with a chromosome-like role in rhizobia. <i>Journal of Bacteriology</i> , 2011 , 193, 1317-26	3.5	50
62	Green Virtual Enterprise Breeding Environment Reference Framework. <i>International Federation for Information Processing</i> , 2011 , 545-555		13

61	Virtual organisation breeding environments toolkit: reference model, management framework and instantiation methodology. <i>Production Planning and Control</i> , 2010 , 21, 181-217	4.3	30
60	Implementation of product lifecycle management tools using enterprise integration engineering and action-research. <i>International Journal of Computer Integrated Manufacturing</i> , 2010 , 23, 853-875	4.3	18
59	Towards a reference curriculum for education on Concurrent Engineering / Enterprising 2010 ,		1
58	Virtual organisation breeding environments value system and its elements. <i>Journal of Intelligent Manufacturing</i> , 2010 , 21, 267-286	6.7	18
57	Developing a universal numerical control machine based on an enterprise multilevel framework and its IPPMD reference map and methodology. <i>Annual Reviews in Control</i> , 2010 , 34, 145-154	10.3	6
56	The e-HUB evolution: From a Custom Software Architecture to a Software-as-a-Service implementation. <i>Computers in Industry</i> , 2010 , 61, 145-151	11.6	19
55	The Virtual Enterprise from a Governance Perspective. <i>IFIP Advances in Information and Communication Technology</i> , 2010 , 73-82	0.5	4
54	Green Virtual Enterprises and Their Breeding Environments. <i>International Federation for Information Processing</i> , 2010 , 25-35		8
53	Mechanisms for assessing and enhancing organisations' readiness for collaboration in collaborative networks. <i>International Journal of Production Research</i> , 2009 , 47, 4691-4710	7.8	45
52	The extent of migration of the Holliday junction is a crucial factor for gene conversion in <i>Rhizobium etli</i> . <i>Journal of Bacteriology</i> , 2009 , 191, 4987-95	3.5	9
51	Value Co-creation and Co-innovation: Linking Networked Organisations and Customer Communities. <i>IFIP Advances in Information and Communication Technology</i> , 2009 , 401-412	0.5	15
50	VO breeding environments & virtual organizations integral business process management framework. <i>Information Systems Frontiers</i> , 2009 , 11, 569-597	4	53
49	Differential roles of proteins involved in migration of Holliday junctions on recombination and tolerance to DNA damaging agents in <i>Rhizobium etli</i> . <i>Gene</i> , 2009 , 432, 26-32	3.8	6
48	Collaborative Engineering Environments for Virtual Organisations. <i>International Journal of Information Technology and Management</i> , 2009 , 8, 298	0.2	4
47	Next Generation Manufacturing Systems and the Virtual Enterprise. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009 , 42, 630-637		3
46	Towards a novel living Lab Model for sustainable innovation in the construction industry 2009 ,		2
45	Readiness for Collaboration Assessment Approach in Collaborative Networked Organisations 2008 , 47-56		6
44	Transcriptional interference and repression modulate the conjugative ability of the symbiotic plasmid of <i>Rhizobium etli</i> . <i>Journal of Bacteriology</i> , 2008 , 190, 4189-97	3.5	17

43	Requirement of a plasmid-encoded catalase for survival of <i>Rhizobium etli</i> CFN42 in a polyphenol-rich environment. <i>Applied and Environmental Microbiology</i> , 2008 , 74, 2398-403	4.8	8
42	A common genomic framework for a diverse assembly of plasmids in the symbiotic nitrogen fixing bacteria. <i>PLoS ONE</i> , 2008 , 3, e2567	3.7	57
41	Vo Breeding Environments Value Systems, Business Models and Governance Rules 2008 , 69-90		8
40	A Virtual Breeding Environment Reference Model and Its Instantiation Methodology. <i>International Federation for Information Processing</i> , 2008 , 15-24		10
39	Tyrosinase from <i>Rhizobium etli</i> is involved in nodulation efficiency and symbiosis-associated stress resistance. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2007 , 13, 35-44	0.9	31
38	Novel reiterated Fnr-type proteins control the production of the symbiotic terminal oxidase cbb3 in <i>Rhizobium etli</i> CFN42. <i>Molecular Plant-Microbe Interactions</i> , 2007 , 20, 1241-9	3.6	17
37	Towards Governance Rules and Bylaws for Virtual Breeding Environments 2007 , 93-102		11
36	A Conceptual Model for Virtual Breeding Environments Value Systems 2007 , 43-52		12
35	Gene conversion and concerted evolution in bacterial genomes. <i>FEMS Microbiology Reviews</i> , 2005 , 29, 169-83	15.1	86
34	Gene conversion tracts associated with crossovers in <i>Rhizobium etli</i> . <i>Journal of Bacteriology</i> , 2005 , 187, 4116-26	3.5	14
33	Identification of the rctA gene, which is required for repression of conjugative transfer of rhizobial symbiotic megaplasmids. <i>Journal of Bacteriology</i> , 2005 , 187, 7341-50	3.5	62
32	Gene conversion and concerted evolution in bacterial genomes. <i>FEMS Microbiology Reviews</i> , 2005 , 29, 169-183	15.1	89
31	The recombination genes addAB are not restricted to gram-positive bacteria: genetic analysis of the recombination initiation enzymes RecF and AddAB in <i>Rhizobium etli</i> . <i>Journal of Bacteriology</i> , 2004 , 186, 7905-13	3.5	25
30	Transfer of the symbiotic plasmid of <i>Rhizobium etli</i> CFN42 requires cointegration with p42a, which may be mediated by site-specific recombination. <i>Journal of Bacteriology</i> , 2004 , 186, 7538-48	3.5	43
29	BacS: an abundant bacteroid protein in <i>Rhizobium etli</i> whose expression ex planta requires nifA. <i>Molecular Plant-Microbe Interactions</i> , 2003 , 16, 65-73	3.6	3
28	The mosaic structure of the symbiotic plasmid of <i>Rhizobium etli</i> CFN42 and its relation to other symbiotic genome compartments. <i>Genome Biology</i> , 2003 , 4, R36	18.3	125
27	Nitrogen fixation patterns displayed by cyanobacterial consortia in Alchichica crater-lake, Mexico 2002 , 71-78		1
26	Regulation of gene expression in response to oxygen in <i>Rhizobium etli</i> : role of FnrN in fixNOQP expression and in symbiotic nitrogen fixation. <i>Journal of Bacteriology</i> , 2001 , 183, 6999-7006	3.5	36

25	Differential regulation of fixN-reiterated genes in <i>Rhizobium etli</i> by a novel fixL-fixK cascade. <i>Molecular Plant-Microbe Interactions</i> , 2000 , 13, 1283-92	3.6	64
24	In <i>Rhizobium etli</i> symbiotic plasmid transfer, nodulation competitiveness and cellular growth require interaction among different replicons. <i>Plasmid</i> , 2000 , 44, 34-43	3.3	71
23	Prediction, identification, and artificial selection of DNA rearrangements in <i>Rhizobium</i> : toward a natural genomic design. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 9138-43	11.5	61
22	Expression pattern of <i>Rhizobium etli</i> ccmIEFH genes involved in c-type cytochrome maturation. <i>Gene</i> , 2000 , 250, 149-57	3.8	4
21	Role of the <i>ruvB</i> gene in homologous and homeologous recombination in <i>Rhizobium etli</i> . <i>Gene</i> , 2000 , 243, 125-31	3.8	18
20	DNA Reiteration in Rhizobial Genomes: How Unusual is it? 2000 , 277-278		
19	Recombination enhancement by replication (RER) in <i>Rhizobium etli</i> . <i>Genetics</i> , 2000 , 154, 971-83	4	9
18	The <i>noL</i> gene from <i>Rhizobium etli</i> determines nodulation efficiency by mediating the acetylation of the fucosyl residue in the nodulation factor. <i>Molecular Plant-Microbe Interactions</i> , 1999 , 12, 236-46	3.6	41
17	Repeated sequences in bacterial chromosomes and plasmids: a glimpse from sequenced genomes. <i>Research in Microbiology</i> , 1999 , 150, 735-43	4	25
16	Genes essential for nod factor production and nodulation are located on a symbiotic amplicon (AMPRtrCFN299pc60) in <i>Rhizobium tropici</i> . <i>Journal of Bacteriology</i> , 1998 , 180, 2866-74	3.5	18
15	Multiple recombination events maintain sequence identity among members of the nitrogenase multigene family in <i>Rhizobium etli</i> . <i>Genetics</i> , 1998 , 149, 785-94	4	17
14	The Dynamic Genome of <i>Rhizobium</i> 1998 , 153-161		7
13	Generation of <i>Rhizobium</i> strains with improved symbiotic properties by random DNA amplification (RDA). <i>Nature Biotechnology</i> , 1997 , 15, 564-9	44.5	47
12	Gene amplification and genomic plasticity in prokaryotes. <i>Annual Review of Genetics</i> , 1997 , 31, 91-111	14.5	190
11	<i>Rhizobium</i> plasmids in bacteria-legume interactions. <i>World Journal of Microbiology and Biotechnology</i> , 1996 , 12, 119-25	4.4	50
10	Gene Amplification in <i>Rhizobium</i> . <i>Current Plant Science and Biotechnology in Agriculture</i> , 1993 , 581-585		2
9	Different plasmids of <i>Rhizobium leguminosarum</i> bv. <i>phaseoli</i> are required for optimal symbiotic performance. <i>Journal of Bacteriology</i> , 1992 , 174, 5183-9	3.5	117
8	Structural complexity of the symbiotic plasmid of <i>Rhizobium leguminosarum</i> bv. <i>phaseoli</i> . <i>Journal of Bacteriology</i> , 1991 , 173, 2411-9	3.5	58

7	Amplification and deletion of a nod-nif region in the symbiotic plasmid of <i>Rhizobium phaseoli</i> . <i>Journal of Bacteriology</i> , 1991 , 173, 2435-41	3.5	75
6	High-frequency rearrangements in <i>Rhizobium leguminosarum</i> bv. <i>phaseoli</i> plasmids. <i>Journal of Bacteriology</i> , 1991 , 173, 1344-6	3.5	49
5	The <i>Rhizobium</i> Genome. <i>Critical Reviews in Plant Sciences</i> , 1990 , 9, 59-93	5.6	137
4	Genomic instability in <i>Rhizobium phaseoli</i> . <i>Journal of Bacteriology</i> , 1988 , 170, 1191-6	3.5	91
3	Effect of Naturally Occurring nif Reiterations on Symbiotic Effectiveness in <i>Rhizobium phaseoli</i> . <i>Applied and Environmental Microbiology</i> , 1988 , 54, 848-850	4.8	11
2	Reiterated DNA sequences in <i>Rhizobium</i> and <i>Agrobacterium</i> spp. <i>Journal of Bacteriology</i> , 1987 , 169, 5782-8	3.5	86
1	The Symbiotic Plasmids of the Rhizobiaceae 271-290		15