

Shinsuke Kondoh

List of Publications by Year in descending order

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46
papers

1,593
citations

1039406

9
h-index

580395

25
g-index

47
all docs

47
docs citations

47
times ranked

1490
citing authors

#	ARTICLE	IF	CITATIONS
1	Cyber-physical systems in manufacturing. CIRP Annals - Manufacturing Technology, 2016, 65, 621-641.	1.7	1,220
2	Product modularity for life cycle design. CIRP Annals - Manufacturing Technology, 2008, 57, 13-16.	1.7	96
3	Development of design methodology for upgradable products based on functionâ€‘behaviorâ€‘state modeling. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 2005, 19, 161-182.	0.7	62
4	Total performance analysis of product life cycle considering the deterioration and obsolescence of product value. International Journal of Product Development, 2008, 6, 334.	0.2	32
5	Analysis of Reusability using â€‘Marginal Reuse Rateâ€‘™. CIRP Annals - Manufacturing Technology, 2006, 55, 41-44.	1.7	24
6	Development of Upgradable Cellular Machines for Environmentally Conscious Products. CIRP Annals - Manufacturing Technology, 1998, 47, 381-384.	1.7	20
7	Self Organization of Cellular Manufacturing Systems. CIRP Annals - Manufacturing Technology, 2000, 49, 347-350.	1.7	12
8	Proposal of causeâ€‘effect pattern library for realizing sustainable businesses. CIRP Annals - Manufacturing Technology, 2011, 60, 33-36.	1.7	12
9	Toward a Sustainable Business Design: A Survey. Procedia CIRP, 2014, 15, 367-372.	1.0	12
10	Strategic decision-making method for eco-business planning. CIRP Annals - Manufacturing Technology, 2010, 59, 41-44.	1.7	9
11	Total Performance Analysis of Manufacturing Processes. International Journal of Automation Technology, 2009, 3, 56-62.	0.5	9
12	Development of redesign method of production system based on QFD. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2007, 1, 181-192.	0.3	8
13	A Modeling Framework for the Diffusion of Green Technologies. Management of Technology, 2008, , 121-136.	0.1	8
14	Development of Description Support System for Life Cycle Scenario. , 2007, , 29-34.		7
15	A Study on Efficiency Analysis of Micro Manufacturing Systems. , 2007, , .		5
16	Strategic decision making method for sharing resources among multiple manufacturing/remanufacturing systems. Journal of Remanufacturing, 2011, 1, 1.	1.6	5
17	Environmental Load Reduction by Customization for Reuse with Additive Manufacturing. Procedia CIRP, 2017, 61, 241-244.	1.0	5
18	Adaptive decision-making method of life cycle options by using process data collected over multiple life cycle stages. Procedia CIRP, 2021, 98, 382-387.	1.0	5

#	ARTICLE	IF	CITATIONS
19	Total performance analysis of product life cycle considering the uncertainties in product-use stage. , 2007, , 371-376.		5
20	Synthesis of verification models in multidisciplinary design of complex engineered systems. CIRP Annals - Manufacturing Technology, 2014, 63, 145-148.	1.7	4
21	Development of a design methodology for upgradability involving changes of functions. , 2003, , .		3
22	Proposal and feasibility assessment of “tele-inverse manufacturing”. , 2008, , .		3
23	An application of graph traversal algorithm to design task planning in model-based product development. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2016, 10, JAMDSM0092-JAMDSM0092.	0.3	3
24	Proposal of decision support method for life cycle strategy by estimating value and physical lifetimes. , 2003, , .		2
25	Upgrade planning for upgradable product design. , 2003, , .		2
26	Simulation of Closed-Loop Manufacturing Systems Focused on Material Balance of Forward and Inverse Flows. , 2005, , 543.		2
27	Ecodesign of multilateral recycling systems in Asia. International Journal of Environmental Technology and Management, 2009, 11, 276.	0.1	2
28	Interlinking Multiple Decision Variables Over Different Life Cycle Stages to Realize Effective Reuse and Recycling from a Strategic Viewpoint. Procedia CIRP, 2017, 61, 245-250.	1.0	2
29	A problem formulation of sustainable business design from the viewpoint of general design theory. Procedia CIRP, 2019, 80, 45-49.	1.0	2
30	A Study on Total Performance Analysis of Service Oriented Eco-Businesses. Advanced Concurrent Engineering, 2010, , 419-427.	0.2	2
31	Proposal of Idea Generation Support Methodology for Eco-Business. , 2008, , 501-506.		2
32	Simulation of closed-loop manufacturing systems focused on material balances. , 2003, , .		1
33	Development of an environmentally benign manufacturing system for MEMS devices. , 2009, , .		1
34	A Multi-agent Model for Product Reuse Service Markets. , 2009, , .		1
35	A user classification method for sharable product focusing on its architecture. CIRP Annals - Manufacturing Technology, 2013, 62, 27-30.	1.7	1
36	Recording the design thought process as time variation in parameter network. CIRP Annals - Manufacturing Technology, 2016, 65, 197-200.	1.7	1

#	ARTICLE	IF	CITATIONS
37	EcoBalance 2016-responsible value chains for sustainability (October 3-6, 2016, Kyoto, Japan). International Journal of Life Cycle Assessment, 2017, 22, 1165-1174.	2.2	1
38	Toward a Pattern Language for Eco-Business Design. International Journal of Automation Technology, 2014, 8, 706-715.	0.5	1
39	A Strategic Idea Generation Method for Eco-Business Planning. , 2009, , .		1
40	Proposal of a downsized factory and an index to evaluate its system efficiency. , 2008, , .		0
41	Concept proposal of a miniature On-demand factory and its efficiency evaluation. , 2008, , .		0
42	Selection of an optimized method for pitting processes with sustainability as an important factor. Journal of Mechanical Science and Technology, 2010, 24, 275-278.	0.7	0
43	Computation of flow diagrams of an acausal physical model and its application to hybrid power generation system design. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2018, 12, JAMDSM0043-JAMDSM0043.	0.3	0
44	A Design to Environment Modelling Approach based on Time Variation Networks. Procedia CIRP, 2018, 70, 229-234.	1.0	0
45	A Study on Evaluation of Environmental Effectiveness of Manufacturing Processes. Advanced Concurrent Engineering, 2009, , 223-231.	0.2	0
46	Sustainable Product Design and Development: TPI-Based Idea Generation Method for Eco-Business Planning and Eco-Product Development. , 2013, , 471-491.		0