

# Yasushi Umeda

## List of Publications by Year in descending order

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35  
papers

1,489  
citations

430874

18  
h-index

377865

34  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1010  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pilot study-based sharing system design method. CIRP Annals - Manufacturing Technology, 2022, , .	3.6	0
2	The influence of end-of-life regulation on vehicle material circularity: A comparison of Europe, Japan, Australia and the US. Resources, Conservation and Recycling, 2021, 168, 105294.	10.8	32
3	Unsupervised Learning Based Diagnosis Model for Anomaly Detection of Motor Bearing with Current Data. Procedia CIRP, 2021, 98, 336-341.	1.9	10
4	Scenario structuring methodology for computer-aided scenario design: An application to envisioning sustainable futures. Technological Forecasting and Social Change, 2020, 160, 120207.	11.6	12
5	An Internet of Things-enabled model-based approach to improving the energy efficiency of aluminum die casting processes. Energy, 2020, 202, 117716.	8.8	20
6	Model-Based Deterioration Estimation with Cyber Physical System. International Journal of Automation Technology, 2020, 14, 1005-1012.	1.0	1
7	Development of an education program for digital manufacturing system engineers based on "Digital Triplet"™ concept. Procedia Manufacturing, 2019, 31, 363-369.	1.9	27
8	A design method of data analytics process for condition based maintenance. CIRP Annals - Manufacturing Technology, 2019, 68, 145-148.	3.6	19
9	Toward designing sustainability education programs: a survey of master's™ programs through semi-structured interviews. Sustainability Science, 2018, 13, 953-972.	4.9	20
10	Toward Developing a Design Method of Personalization: Proposal of a Personalization Procedure. Procedia CIRP, 2018, 69, 740-745.	1.9	21
11	Designing Future Visions of Sustainable Consumption and Production in Southeast Asia. Procedia CIRP, 2018, 69, 66-71.	1.9	7
12	Research needs and challenges faced in supporting scenario design in sustainability science: a literature review. Sustainability Science, 2016, 11, 331-347.	4.9	67
13	Proposal of a design method for semi-destructive disassembly with split lines. CIRP Annals - Manufacturing Technology, 2015, 64, 29-32.	3.6	10
14	Scenario Analysis of Regional Electricity Demand in the Residential and Commercial Sectors "influence of Diffusion of Photovoltaic Systems and Electric Vehicles into Power Grids. Procedia CIRP, 2014, 15, 319-324.	1.9	11
15	Envisioning Sustainable Manufacturing Industries of Japan. International Journal of Automation Technology, 2014, 8, 634-643.	1.0	12
16	Generating design alternatives for increasing recyclability of products. CIRP Annals - Manufacturing Technology, 2013, 62, 135-138.	3.6	16
17	Effects of boundary conditions on the end-of-life treatment of LCD TVs. CIRP Annals - Manufacturing Technology, 2013, 62, 35-38.	3.6	42
18	Toward integrated product and process life cycle planning"An environmental perspective. CIRP Annals - Manufacturing Technology, 2012, 61, 681-702.	3.6	155

#	ARTICLE	IF	CITATIONS
19	Lifecycle scenario design for product end-of-life strategy. <i>Journal of Remanufacturing</i> , 2012, 2, 1.	2.7	34
20	LC-CAD: A CAD system for life cycle design. <i>CIRP Annals - Manufacturing Technology</i> , 2012, 61, 175-178.	3.6	11
21	Analysis of Key Success Factors for Eco-Business Through Case Studies in Japan. <i>International Journal of Automation Technology</i> , 2012, 6, 252-263.	1.0	9
22	Proposal of Consistency Management Method Between Product and its Life Cycle for Supporting Life Cycle Design. <i>International Journal of Automation Technology</i> , 2012, 6, 272-278.	1.0	11
23	Evaluation of scenario-based modularization for lifecycle design. <i>CIRP Annals - Manufacturing Technology</i> , 2009, 58, 1-4.	3.6	45
24	Proposal of sustainable society scenario simulator. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2009, 1, 272-278.	4.5	32
25	Design Methodology for Modularity Based on Life Cycle Scenario. <i>International Journal of Automation Technology</i> , 2009, 3, 40-48.	1.0	10
26	Product modularity for life cycle design. <i>CIRP Annals - Manufacturing Technology</i> , 2008, 57, 13-16.	3.6	96
27	Analysis of Reusability using "Marginal Reuse Rate". <i>CIRP Annals - Manufacturing Technology</i> , 2006, 55, 41-44.	3.6	24
28	Development of design methodology for upgradable products based on function-behavior-state modeling. <i>Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM</i> , 2005, 19, 161-182.	1.1	62
29	Development of Service-Oriented Products Based on the Inverse Manufacturing Concept. <i>Environmental Science &amp; Technology</i> , 2003, 37, 5398-5406.	10.0	44
30	Study on life-cycle design for the post mass production paradigm. <i>Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM</i> , 2000, 14, 149-161.	1.1	142
31	Self Organization of Cellular Manufacturing Systems. <i>CIRP Annals - Manufacturing Technology</i> , 2000, 49, 347-350.	3.6	12
32	Development of Upgradable Cellular Machines for Environmentally Conscious Products. <i>CIRP Annals - Manufacturing Technology</i> , 1998, 47, 381-384.	3.6	20
33	Supporting conceptual design based on the function-behavior-state modeler. <i>Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM</i> , 1996, 10, 275-288.	1.1	354
34	An Integrated Modelling Environment Using the Metamodel. <i>CIRP Annals - Manufacturing Technology</i> , 1994, 43, 121-124.	3.6	27
35	A CAD for Functional Design. <i>CIRP Annals - Manufacturing Technology</i> , 1993, 42, 143-146.	3.6	74