

Eight types of productâ€“service system: eight ways to SusProNet

Business Strategy and the Environment

13, 246-260

DOI: [10.1002/bse.414](https://doi.org/10.1002/bse.414)

Citation Report

#	ARTICLE	IF	CITATIONS
1	The Potential of CO2-reduction from Household Consumption by Product-service Systems – A Reflection from SusProNet. The Journal of Sustainable Product Design, 2003, 3, 109-118.	0.4	11
2	The adoption of environmental and risk management practices: Relationships to environmental performance. Annals of Operations Research, 2006, 145, 367-381.	2.6	48
3	What Is so Sustainable about Services?: The Truth in Service and Flow. Design Philosophy Papers, 2007, 5, 95-117.	0.7	0
4	Product service systems in the automobile industry: contribution to system innovation?. Journal of Cleaner Production, 2007, 15, 1093-1103.	4.6	192
5	Business models for material efficiency services: Conceptualization and application. Ecological Economics, 2007, 63, 126-137.	2.9	60
6	Environmental regulation and innovation driving ecological design in the UK automotive industry. Business Strategy and the Environment, 2008, 17, 341-349.	8.5	69
7	Greening from the front to the back door? A typology of chemical and resource management services. Business Strategy and the Environment, 2010, 19, 199-215.	8.5	13
8	An analysis of a product service system in Bolivia: coffee in Yungas. International Journal of Innovation and Sustainable Development, 2008, 3, 262.	0.3	40
9	A methodology based on Fuzzy Extended Quality Function Deployment for determining optimal engineering characteristics in product-service system design. , 2008, , .		7
10	Requirement Analysis and Negotiation for Feasible Service Development. , 2009, , .		1
11	A CAD system for service innovation: integrated representation of function, service activity, and product behaviour. Journal of Engineering Design, 2009, 20, 367-388.	1.1	69
12	Research on supplier-buyer enterprise contract cooperation model based on product-service system. , 2009, , .		0
13	Configuration of product-service systems. Journal of Manufacturing Technology Management, 2009, 20, 591-605.	3.3	81
14	Technical product-service systems: some implications for the machine tool industry. Journal of Manufacturing Technology Management, 2009, 20, 700-722.	3.3	78
15	A competitive framework for industrial product-service systems. International Journal of Internet Manufacturing and Services, 2009, 2, 4.	0.2	77
16	Sustainability in the auto repair industry: a life cycle assessment application. International Journal of Product Lifecycle Management, 2009, 4, 146.	0.1	5
17	Evaluation of customer satisfaction for PSS design. Journal of Manufacturing Technology Management, 2009, 20, 654-673.	3.3	81
18	Interactive Method for Service Design Using Computer Simulation. Service Science, 2009, 1, 121-134.	0.9	9

#	ARTICLE	IF	CITATIONS
19	Service-based business concepts: A typology for business-to-business markets. <i>European Management Journal</i> , 2009, 27, 442-455.	3.1	144
20	Framing research for service orientation of manufacturers through PSS approaches. <i>Journal of Manufacturing Technology Management</i> , 2009, 20, 754-778.	3.3	91
21	Towards Integration of Products and Services: Literature Review and Phraseology. , 2009, , .		7
22	The servitization of manufacturing. <i>Journal of Manufacturing Technology Management</i> , 2009, 20, 547-567.	3.3	1,158
23	Towards an operations strategy for productâ€centric servitization. <i>International Journal of Operations and Production Management</i> , 2009, 29, 494-519.	3.5	323
24	Comparing providerâ€customer constellations of visibilityâ€based service. <i>Journal of Service Management</i> , 2010, 21, 675-692.	4.4	47
25	Surplus of service-based business models – the integration of multiple perspectives for assessing win-win potentials. <i>International Journal of Services Operations and Informatics</i> , 2010, 5, 400.	0.2	7
26	An ontology-based approach to product extension services modelling in servitisation. <i>International Journal of Services Operations and Informatics</i> , 2010, 5, 373.	0.2	4
27	Data uncertainty assessment and information flow analysis for product-service systems in a library case study. <i>International Journal of Services Operations and Informatics</i> , 2010, 5, 330.	0.2	17
28	Barrier analysis for product service system using interpretive structural model. <i>International Journal of Advanced Manufacturing Technology</i> , 2010, 49, 407-417.	1.5	93
29	Longing for service: Bringing the UCL Conception towards services research. <i>Interacting With Computers</i> , 2010, 22, 28-42.	1.0	10
30	Requirement negotiation process for the design of cooperative services. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2010, 2, 192-197.	2.3	0
31	A systemic framework for supporting cross-disciplinary efforts in services research. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2010, 3, 116-127.	2.3	12
32	How to design and offer services successfully. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2010, 2, 136-143.	2.3	177
33	Competing in engineering designâ€The role of Virtual Product Creation. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2010, 3, 175-184.	2.3	25
34	Pricing Integrated Customer Solutions. <i>International Journal of Service Science, Management, Engineering, and Technology</i> , 2010, 1, 1-16.	0.7	2
35	The adoption of servitization strategies by UK-based manufacturers. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2010, 224, 815-829.	1.5	44
36	A new conceptual life cycle model for Result-Oriented Product-Service System development. , 2010, , .		15

#	ARTICLE	IF	CITATIONS
37	A new approach for conceptual design of product and maintenance. International Journal of Computer Integrated Manufacturing, 2010, 23, 603-618.	2.9	36
38	Configuration Rules Acquisition for Product Extension Services Using Local Cluster Neural Network and RULEX Algorithm. , 2010, , .		3
39	Challenges in transforming manufacturing organisations into productâ€service providers. Journal of Manufacturing Technology Management, 2010, 21, 449-469.	3.3	457
40	Outcomeâ€based service contracts in the defence industry â€ mitigating the challenges. Journal of Service Management, 2010, 21, 656-674.	4.4	104
41	Revenue models for integrated customer solutions: Concept and organizational implementation. Journal of Revenue and Pricing Management, 2010, 9, 228-238.	0.7	61
42	Development of technology roadmap for Product-Service System (TRPSS). , 2010, , .		6
43	Service science: An analysis of the business system of product service companies. , 2010, , .		0
44	Towards an innovationâ€type mapping tool. Management Decision, 2011, 49, 73-86.	2.2	160
45	Notice of Retraction: Life-cycle oriented design model for product-service system development. , 2011, , .		2
46	Analyzing the Practical Usability of the Heterogeneous Modeling Approach for Conceptual Product-Service System Development. , 2011, , 135-140.		3
47	Product/Service System Design and Beyond. , 2011, , 125-134.		1
48	Service delivery for microsystems production: A study. CIRP Journal of Manufacturing Science and Technology, 2011, 4, 101-109.	2.3	10
49	Creating Effective Customer Solutions. International Journal of Service Science, Management, Engineering, and Technology, 2011, 2, 15-29.	0.7	5
50	A Consumer Perspective on Mobile Market Evolution. , 0, , .		0
51	Technology roadmapping for technology-based productâ€service integration: A case study. Journal of Engineering and Technology Management - JET-M, 2011, 28, 128-146.	1.4	88
52	Hybrid value creation: a systematic review ofÂanÂevolving research area. Journal FÃ¼r Betriebswirtschaft, 2011, 61, 3-35.	1.2	106
53	Implementing an industrial product-service system for CNC machine tool. International Journal of Advanced Manufacturing Technology, 2011, 52, 1133-1147.	1.5	44
54	A review of information flow diagrammatic models for productâ€service systems. International Journal of Advanced Manufacturing Technology, 2011, 52, 1193-1208.	1.5	47

#	ARTICLE	IF	CITATIONS
55	A collaborative approach to forecasting productâ€“service systems (PSS). International Journal of Advanced Manufacturing Technology, 2011, 52, 1251-1260.	1.5	14
56	Towards service-orientationâ€“the state of service thoughts in the microfluidic domain. International Journal of Advanced Manufacturing Technology, 2011, 56, 135-142.	1.5	4
58	Contributions to eco-design of machine-to-machine product service systems: the example of waste glass collection. Journal of Cleaner Production, 2011, 19, 1033-1044.	4.6	70
59	Requirements Engineering for Product Service Systems. Business and Information Systems Engineering, 2011, 3, 369-380.	4.0	55
60	The sustainability of communicative packaging concepts in the food supply chain. A case study: part 2. Life cycle costing and sustainability assessment. International Journal of Life Cycle Assessment, 2011, 16, 537-547.	2.2	34
62	The customisation framework for roadmapping product-service integration. Service Business, 2011, 5, 213-236.	2.2	40
63	Sustainable entrepreneurship and sustainability innovation: categories and interactions. Business Strategy and the Environment, 2011, 20, 222-237.	8.5	1,099
64	New business models for electric carsâ€“A holistic approach. Energy Policy, 2011, 39, 3392-3403.	4.2	326
65	A solution business model: Capabilities and management practices for integrated solutions. Industrial Marketing Management, 2011, 40, 699-711.	3.7	340
66	Designing the sustainable product-service integration: a product-service blueprint approach. Journal of Cleaner Production, 2011, 19, 1601-1614.	4.6	148
67	Sustainable Apparel Product Development: In Search of a New Dominant Social Paradigm for the Field Using Sustainable Approaches. Fashion Practice, 2011, 3, 29-62.	0.4	51
68	Achieving sustainability through product-service life cycle management. International Journal of Environmental Technology and Management, 2011, 14, 516.	0.1	4
69	Product Service Systems and supply network relationships: an exploratory case study. Journal of Manufacturing Technology Management, 2011, 22, 293-313.	3.3	108
70	Status review and research strategies on product-service systems. International Journal of Production Research, 2011, 49, 6863-6883.	4.9	91
71	A Concept Generation Support System for Product-Service System Development. Service Science, 2012, 4, 349-364.	0.9	24
72	A New Design Approach for PSS Conceptual Development. Advanced Materials Research, 2012, 605-607, 104-109.	0.3	2
73	A Rough Set Based Approach to Knowledge Acquisition for Product Service System Configuration. Applied Mechanics and Materials, 2012, 220-223, 2534-2539.	0.2	5
74	Product life cycle information management in the electronics supply chain. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2012, 226, 1388-1400.	1.5	15

#	ARTICLE	IF	CITATIONS
75	Productâ€™service system affordability in defence and aerospace industries: state-of-the-art and current industrial practice. International Journal of Computer Integrated Manufacturing, 2012, 25, 398-416.	2.9	23
76	The evolution of product-service system business model: A case study. , 2012, , .		0
77	Towards product-service systems modelling: a quest for dynamic behaviour and model parameters. International Journal of Production Research, 2012, 50, 425-442.	4.9	51
78	Key concepts of radical innovation for sustainability, with complementary roles for industrial design and engineering. International Journal of Sustainable Design, 2012, 2, 24.	0.1	7
79	MANAGEMENT INNOVATION FOR SUSTAINABLE DEVELOPMENT: BEHAVIOR AND REFLECTIONS ON THE CHEMICAL INDUSTRY. RAI: Revista De AdministraÃ§Ã£o E InovaÃ§Ã£o, 2012, 8, .	0.8	3
80	Mapping service processes in manufacturing companies: industrial service blueprinting. International Journal of Operations and Production Management, 2012, 32, 932-957.	3.5	38
82	The Emerging Properties of Business Models: A Systemic Approach. International Studies in Entrepreneurship, 2012, , 277-302.	0.6	1
83	A spiral process model to engineer a product service system: An explorative analysis through case studies. CIRP Journal of Manufacturing Science and Technology, 2012, 5, 214-225.	2.3	41
84	Collaborative network with SMEs providing a backbone for urban PSS: a model and initial sustainability analysis. Production Planning and Control, 2012, 23, 299-314.	5.8	24
85	Ressourceneffizienzpotenziale von Innovationen in rohstoffnahen Produktionsprozessen. Chemie-Ingenieur-Technik, 2012, 84, 1651-1665.	0.4	7
86	PLM-Based Service Data Management in Steam Turbine Business. International Federation for Information Processing, 2012, , 170-181.	0.4	4
87	PSS Board: a structured tool for productâ€™service system process visualization. Journal of Cleaner Production, 2012, 37, 42-53.	4.6	80
89	Toward integration of products and services: Taxonomy and typology. Journal of Engineering and Technology Management - JET-M, 2012, 29, 528-545.	1.4	77
90	Technology Transfer in a Global Economy. , 2012, , .		7
91	Sustainable Manufacturing. , 2012, , .		14
92	Operations Research Proceedings 2011. Operations Research Proceedings: Papers of the Annual Meeting = VortrÄge Der Jahrestagung / DGOR, 2012, , .	0.1	10
93	PSS Business Case Map: Supporting Idea Generation in PSS Design. , 2012, , .		2
94	Performance Assessment of Product Service System from System Architecture Perspectives. Advances in Decision Sciences, 2012, 2012, 1-19.	1.4	14

#	ARTICLE	IF	CITATIONS
95	Sustainable Product Service Systems in Small and Medium Enterprises (SMEs): Opportunities in the Leather Manufacturing Industry. Sustainability, 2012, 4, 175-192.	1.6	56
96	Integrated Product Service Engineering - Factors Influencing Environmental Performance. , 2012, , .		2
98	Selling Mobility instead of Cars: New Business Strategies of Automakers and the Impact on Private Vehicle Holding. Business Strategy and the Environment, 2012, 21, 264-280.	8.5	153
99	Development of sustainability evaluation model for implementing product service systems. International Journal of Environmental Science and Technology, 2012, 9, 343-354.	1.8	51
100	Service process simulation for integrated service evaluation. Journal of Intelligent Manufacturing, 2012, 23, 1379-1388.	4.4	16
101	Providing integrated solutions in the professional printing industry: The case of OcÃ©. Computers in Industry, 2012, 63, 379-388.	5.7	43
102	An evaluation method for designing a new product-service system. Expert Systems With Applications, 2012, 39, 3100-3108.	4.4	78
103	Business models for industrial ecosystems: a modular approach. Journal of Cleaner Production, 2012, 29-30, 246-254.	4.6	68
104	Dynamic and multidimensional measurement of product-service system (PSS) sustainability: a triple bottom line (TBL)-based system dynamics approach. Journal of Cleaner Production, 2012, 32, 173-182.	4.6	167
105	Moving from products to solutions: Strategic approaches for developing capabilities. European Management Journal, 2013, 31, 390-409.	3.1	166
106	Product-Service Integration for Sustainable Solutions. Lecture Notes in Production Engineering, 2013, , .	0.3	11
107	The Servitization of Manufacturing: A Methodology for the Development of After-Sales Services. IFIP Advances in Information and Communication Technology, 2013, , 337-344.	0.5	4
108	Employing the business model concept to support the adoption of productâ€service systems (PSS). Industrial Marketing Management, 2013, 42, 693-704.	3.7	215
109	Advances in Production Management Systems. Competitive Manufacturing for Innovative Products and Services. IFIP Advances in Information and Communication Technology, 2013, , .	0.5	3
110	The other side of sustainable innovation: is there a demand for innovative services?. Journal of Cleaner Production, 2013, 45, 89-103.	4.6	66
111	Analysing network uncertainty for industrial product-service delivery: A hybrid fuzzy approach. Expert Systems With Applications, 2013, 40, 4621-4636.	4.4	44
112	Non-linear relationship between industrial service offering and sales growth: The moderating role of network capabilities. Industrial Marketing Management, 2013, 42, 1374-1385.	3.7	259
113	Looking beyond the rim of one's teacup: a multidisciplinary literature review ofÃProduct-Service Systems in Information Systems, Business Management, andÃEngineering & Design. Journal of Cleaner Production, 2013, 51, 245-260.	4.6	245

#	ARTICLE	IF	CITATIONS
114	A providersâ€™ perspective on supplier relationships in performance-based contracting. <i>Journal of Purchasing and Supply Management</i> , 2013, 19, 185-198.	3.1	80
115	Uncovering benefits and risks of integrated product service offerings â€” Using a case of technology encapsulation. <i>Journal of Systems Science and Systems Engineering</i> , 2013, 22, 421-439.	0.8	54
116	Exploring SME Perceptions of Sustainable Product Service Systems. <i>IEEE Transactions on Engineering Management</i> , 2013, 60, 483-495.	2.4	24
117	Product-Service Systems Modelling and Simulation as a Strategic Diagnosis Tool. <i>IFIP Advances in Information and Communication Technology</i> , 2013, , 361-368.	0.5	4
118	Integrated productâ€™service analysis using SysML requirement diagrams. <i>Systems Engineering</i> , 2013, 16, 111-123.	1.6	11
119	Flexible Implementation of IPS2 through a Service-based Automation Approach. <i>Procedia CIRP</i> , 2013, 11, 108-113.	1.0	6
120	Risks for Functional Products â€” Empirical Insights from Two Swedish Manufacturing Companies. <i>Procedia CIRP</i> , 2013, 11, 340-345.	1.0	19
121	Win-win Collaboration, Functional Product Challenges and Value-chain Delivery: A Case Study Approach. <i>Procedia CIRP</i> , 2013, 11, 86-91.	1.0	18
122	Environmental constraints, Product-Service Systems development and impacts on innovation management: learning from manufacturing firms in the French context. <i>Journal of Cleaner Production</i> , 2013, 53, 118-128.	4.6	84
123	A refined typology of productâ€™service systems based on functional hierarchy modeling. <i>Journal of Cleaner Production</i> , 2013, 51, 261-276.	4.6	123
124	Value visualization in Product Service Systems preliminary design. <i>Journal of Cleaner Production</i> , 2013, 53, 103-117.	4.6	64
125	A service innovation model for synergistic community transformation: integrated application of systems theory and product-service systems. <i>Journal of Cleaner Production</i> , 2013, 43, 93-102.	4.6	49
126	Service development in product-service systems: a maturity model. <i>Service Industries Journal</i> , 2013, 33, 300-319.	5.0	80
127	Product-service systems: a literature review on integrated products and services. <i>Journal of Cleaner Production</i> , 2013, 47, 222-231.	4.6	471
128	Modeling Services and Service-Centered PSS Design. , 2013, , 653-668.		0
129	Product service system configuration based on support vector machine considering customer perception. <i>International Journal of Production Research</i> , 2013, 51, 5450-5468.	4.9	53
130	Competitive product-service systems: lessons from a multicase study. <i>International Journal of Production Research</i> , 2013, 51, 5671-5682.	4.9	57
131	On thinging things and serving services: technological mediation and inseparable goods. <i>Ethics and Information Technology</i> , 2013, 15, 195-208.	2.3	10

#	ARTICLE	IF	CITATIONS
132	Design Driven Product-Service innovation in manufacturing. , 2013, , .		0
133	What is Mine is not Yours: Further Insight on what Access-Based Consumption says about Consumers. Research in Consumer Behavior, 2013, , 185-208.	0.3	29
134	A competitive product development strategy using modular architecture for product and service systems. International Journal of Business and Systems Research, 2013, 7, 375.	0.2	6
135	Firms' transition to green product service system innovators: cases from the mobility sector. International Journal of Technology Management, 2013, 63, 51.	0.2	20
136	Service-oriented business models for agricultural machinery manufacturers: Looking forward to improving sustainability. , 2013, , .		3
137	In-/tangible assets as a service in manufacturing service ecosystems. , 2013, , .		5
138	A model for intangible assets management as a catalyst for product-service innovation in manufacturing. , 2013, , .		0
139	The servitization of manufacturing. International Journal of Operations and Production Management, 2013, 33, 1408-1434.	3.5	329
141	Development of an extended Kansei engineering method to incorporate experience requirements in productâ€“service system design. Journal of Engineering Design, 2013, 24, 738-764.	1.1	61
142	Analyzing Lifestyle and Consumption Pattern of Hire Groups under Product Service Systems in Taiwan. Mathematical Problems in Engineering, 2013, 2013, 1-15.	0.6	6
143	Identifying uncertainties for industrial service delivery: a systems approach. International Journal of Production Research, 2013, 51, 6295-6315.	4.9	47
144	A rough set approach for evaluating vague customer requirement of industrial product-service system. International Journal of Production Research, 2013, 51, 6681-6701.	4.9	84
145	Achieving Customer Satisfaction through Integrated Products and Services: An Exploratory Study. Journal of Product Innovation Management, 2013, 30, 1128-1144.	5.2	83
146	Material efficiency: providing material services with less material production. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120496.	1.6	97
147	Managing Cycles of Innovation Processes of Product-Service Systems. , 2013, , .		22
148	Construction of customization development procedures in product service systems. Journal of Industrial and Production Engineering, 2013, 30, 303-326.	2.1	8
150	A quantitative investigation of the role of information and communication technologies in the implementation of a product-service system. International Journal of Production Research, 2013, 51, 410-426.	4.9	128
151	Readiness assessment of collaborative networked organisations for integrated product and service delivery. International Journal of Production Research, 2013, 51, 598-613.	4.9	60

#	ARTICLE	IF	CITATIONS
152	Designing value through less by integrating sustainability strategies into lifestyles. International Journal of Sustainable Design, 2013, 2, 167.	0.1	12
153	Servitization of the manufacturing firm. International Journal of Operations and Production Management, 2013, 34, 2-35.	3.5	366
154	Sustainable Product Service Systems: The New Frontier in Apparel Retailing?. Research Journal of Textile and Apparel, 2013, 17, 1-12.	0.6	24
155	ICT functionalities in the servitization of manufacturing. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 2063-2068.	0.4	1
156	Framing the role of design in transformation of consumption practices: beyond the designer-product-user triad. International Journal of Technology Management, 2013, 63, 70.	0.2	28
157	Solving time critical newspaper production/distribution system: a case study of Matchon Newspaper Company in Thailand. International Journal of Agile Systems and Management, 2013, 6, 284.	0.6	3
158	Collaborative Consumption: Towards a Resource-Saving Consumption Culture. Resources, 2013, 2, 184-203.	1.6	167
161	Life Cycle-Based Generic Business Strategies for Sustainable Business Models. Journal of Sustainable Development, 2013, 6, .	0.1	12
162	To Own or to Use? How Product Service Systems Facilitate Eco-Innovation Behavior. SSRN Electronic Journal, 0, , .	0.4	5
163	Microfoundations for Sustainable Growth with Eco-Intelligent Product Service-Arrangements. Sustainability, 2013, 5, 1141-1160.	1.6	34
165	L'Ã©coconception, un outil au cÅ“ur de l'Ã©conomie circulaire. Annales Des Mines - ResponsabilitÃ© Et Environnement, 2014, NÅ° 76, 33-37.	0.1	1
166	Process of servitization in the publishing industry: The role of new business models. Intangible Capital, 2014, 10, .	0.6	0
167	System Design for Transitional Aircraft Support. International Journal of Engineering Business Management, 2014, 6, 7.	2.1	1
168	Industrial Product-Service System. , 2014, , 1-6.		0
169	Servitisation of European manufacturing: evidence from a large scale database. Service Industries Journal, 2014, 34, 5-23.	5.0	98
170	ICT enabled operationalization of collaborative servitization. , 2014, , .		1
171	ANALYSING BARRIERS TO SUSTAINABLE BUSINESS MODEL INNOVATIONS: INNOVATION SYSTEMS APPROACH. International Journal of Innovation Management, 2014, 18, 1440010.	0.7	64
172	Servitization and operations management: a service dominant-logic approach. International Journal of Operations and Production Management, 2014, 34, 242-269.	3.5	182

#	ARTICLE	IF	CITATIONS
173	Performance-based logistics “an illusive panacea or a concept for the future?. Journal of Manufacturing Technology Management, 2014, 25, 958-979.	3.3	32
174	Sustainable value analysis tool for value creation. Asian J of Management Science and Applications, 2014, 1, 312.	0.1	16
175	User acceptance in a changing context: why some product-service systems do not suffer acceptance problems. Journal of Design Research, 2014, 12, 188.	0.1	13
176	Mainstreaming green product strategies. EuroMed Journal of Business, 2014, 9, 293-317.	1.7	25
177	A concept innovation model for product service systems development and application. , 2014, , .		1
178	Functional Product Business Models: A Review of the Literature and Identification of Operational Tactical Practices. Procedia CIRP, 2014, 22, 157-162.	1.0	4
179	Development of integrated design methodology for various types of product “ service systems. Journal of Computational Design and Engineering, 2014, 1, 37-47.	1.5	41
180	Full service contracts in the printing industry: An empirical investigation of service definition. , 2014, , .		1
181	Using Monte Carlo simulation as support for decision making while negotiating a PBL contract. , 2014, , .		1
182	Applicability of Agent-based Modeling for Supporting Product-service System Development. Procedia CIRP, 2014, 16, 356-361.	1.0	15
183	Platform Architecture Empowering Health and Safe Product Service Systems for Specific Target Groups. Procedia CIRP, 2014, 21, 117-122.	1.0	4
184	Managing industrial service co-design: identifying challenges from technology firms. Service Industries Journal, 2014, 34, 314-334.	5.0	22
185	Product Lifecycle Management for a Global Market. IFIP Advances in Information and Communication Technology, 2014, , .	0.5	9
186	Strategic framework for industrial product-service co-design: findings from the microsystems industry. International Journal of Production Research, 2014, 52, 2881-2900.	4.9	41
187	Integrating Product-Service System Tools into New Product Development Processes. Journal of Integrated Design and Process Science, 2014, 18, 3-18.	0.2	6
188	A classification model for product-service offerings. Journal of Cleaner Production, 2014, 66, 507-519.	4.6	193
189	A model for integrating services and product EOL management in sustainable product service system (S-PSS). Journal of Intelligent Manufacturing, 2014, 25, 427-440.	4.4	50
190	Critical reflections on the Chemical Leasing concept. Resources, Conservation and Recycling, 2014, 86, 53-60.	5.3	20

#	ARTICLE	IF	CITATIONS
191	A literature and practice review to develop sustainable business model archetypes. Journal of Cleaner Production, 2014, 65, 42-56.	4.6	2,305
192	A Method for Impact Analysis of Cyclic Changes within Innovation Processes of PSS. Procedia CIRP, 2014, 16, 205-210.	1.0	5
193	Competitiveness experiences of Botswana SMEs in the leather industry and their perceptions of sustainability and product service systems. , 2014, , .		0
194	An investigation on servitization in manufacturing: Development of a theoretical framework. , 2014, , .		1
195	Servitization Strategies and Product-Service-Systems. , 2014, , .		18
196	Second Generation of Pressure Sensitive Fasteners for Active Disassembly. Procedia CIRP, 2014, 15, 228-233.	1.0	1
197	Application of Prospect Theory on Car Sharing Product Service System. Procedia CIRP, 2014, 16, 350-355.	1.0	12
198	Literature Study on Factors Influencing the Market Acceptance of PSS. Procedia CIRP, 2014, 16, 98-103.	1.0	25
199	Network-oriented Uncertainty Evaluation of Industrial Product-service Collaborative Readiness. Procedia CIRP, 2014, 16, 229-234.	1.0	6
200	Preparing Individuals for the Demands of PSS Work Environments through a Game-based Community Approach – Design and Evaluation of a Learning Scenario. Procedia CIRP, 2014, 16, 271-276.	1.0	15
201	A Survey Study of the Transitioning towards High-value Industrial Product-services. Procedia CIRP, 2014, 16, 176-180.	1.0	25
202	A Proposal to Support the Value Proposition in Product Oriented Service Business Model of Product Service Systems. Procedia CIRP, 2014, 16, 211-216.	1.0	7
203	Scenarios as a Tool for Transition towards Sustainable PSS. Procedia CIRP, 2014, 16, 122-127.	1.0	11
204	Guidelines for the Definition of Innovative Industrial Product-service Systems (PSS) Business Models for Remanufacturing. Procedia CIRP, 2014, 16, 193-198.	1.0	31
205	Simulation-based risk management of product-service systems. , 2014, , .		7
206	Servitization in Industry. , 2014, , .		32
207	Investigating the linkages between service types and supplier relationships in servitized environments. International Journal of Production Economics, 2014, 149, 226-238.	5.1	125
208	Toward a Sustainable Business Design: A Survey. Procedia CIRP, 2014, 15, 367-372.	1.0	12

#	ARTICLE	IF	CITATIONS
209	Fluid transitions to more sustainable product service systems. Environmental Innovation and Societal Transitions, 2014, 12, 1-13.	2.5	32
210	Environmental and economic benefits of Integrated Product Service Offerings quantified with real business cases. Journal of Cleaner Production, 2014, 64, 288-296.	4.6	211
211	Extended service use and new product possibilities in Swedish trucking: case study. World Review of Intermodal Transportation Research, 2014, 5, 80.	0.2	2
212	Depicting product-service systems in the early phase of the product development. , 2014, , .		4
213	A Technology-centered Framework for Product-service Systems. Procedia CIRP, 2014, 16, 295-300.	1.0	19
214	CleanServs: clean services for a more sustainable world. Sustainability Accounting, Management and Policy Journal, 2014, 5, 405-424.	2.4	7
215	PSS Characterisation of Telecom Offerings. Procedia CIRP, 2015, 30, 78-83.	1.0	2
216	Towards a Meta-model for the Description of the Sociotechnical Perspective on Product-service Systems. Procedia CIRP, 2015, 30, 359-365.	1.0	6
217	A Proposal for Energy Services¼ Classification Including a Product Service Systems Perspective. Procedia CIRP, 2015, 30, 251-256.	1.0	18
218	Exploratory Study of Combining Integrated Product and Services Offerings with Industrial Symbiosis in Order to Improve Excess Heat Utilization. Procedia CIRP, 2015, 30, 167-172.	1.0	8
219	Waste to Wealth. , 2015, , .		131
220	Developing strategic decision making process for product and service planning. , 2015, , .		2
221	Product-service system design concept development based on product and service integration. Journal of Design Research, 2015, 13, 1.	0.1	10
222	Fashion Industry and Sustainability. , 2015, , 516-545.		1
223	Sustainability marketing. , 2015, , .		4
224	Coping with the Challenges of a Heterogeneous Working Context â€” A Configuration of Individual Competencies for PSS Workers. Procedia CIRP, 2015, 30, 402-407.	1.0	6
225	Comparing Three Telecom Offers and PSS. Procedia CIRP, 2015, 30, 221-226.	1.0	3
226	Industrial Product Service System: A Case Study from the Agriculture Sector. Procedia CIRP, 2015, 33, 64-69.	1.0	17

#	ARTICLE	IF	CITATIONS
227	An Approach to Reveal Starting Points for PSS Design Support with Dynamic Models. <i>Procedia CIRP</i> , 2015, 30, 462-467.	1.0	4
228	Disciplines for Designing PSS Actor Network. <i>Procedia CIRP</i> , 2015, 30, 408-414.	1.0	2
229	The Product as a Service Business Model: Performance over Ownership. , 2015, , 99-114.		5
230	Value creation based on IT marketing: an exploratory study for developing strategic partnerships in the Greek wood and furniture sectors. <i>International Journal of Technology Marketing</i> , 2015, 10, 345.	0.1	1
231	Accelerating the Theory and Practice of Sustainability-Oriented Innovation. <i>SSRN Electronic Journal</i> , 0, , .	0.4	25
232	Servitization in Manufacturing Firms: A Systematic Literature Review. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
233	Evaluation Framework for Alternative Fuel Vehicles: Sustainable Development Perspective. <i>Sustainability</i> , 2015, 7, 11570-11594.	1.6	25
234	Development of an Innovation Model Based on a Service-Oriented Product Service System (PSS). <i>Sustainability</i> , 2015, 7, 14427-14449.	1.6	24
235	Applying the Fuzzy Analytic Hierarchy Process to Construct the Product Innovative Service System of Wedding Photography Apparel. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-12.	0.6	9
236	Development of a framework to customize design methodologies for product service systems. , 2015, , .		0
237	A business intelligence approach using web search tools and online data reduction techniques to examine the value of product-enabled services. <i>Expert Systems With Applications</i> , 2015, 42, 7582-7600.	4.4	15
238	Achieving customer satisfaction through productâ€“service systems. <i>European Journal of Operational Research</i> , 2015, 247, 179-190.	3.5	89
239	Method to Create Proposals for PSS Business Models. <i>Procedia CIRP</i> , 2015, 30, 13-17.	1.0	7
240	Product-Service System in inventory control: A new paradigm?. , 2015, , .		2
241	Firm's typology and strategic innovation among Chinese cosmetic industry - a strategic transformation tool. <i>International Journal of Technology Management</i> , 2015, 67, 132.	0.2	2
242	Towards practice-oriented design for sustainability: the compatibility with selected design fields. <i>International Journal of Sustainable Engineering</i> , 2015, 8, 206-218.	1.9	15
243	Collaborative consumption: business model opportunities and barriers for fashion libraries. <i>Journal of Fashion Marketing and Management</i> , 2015, 19, 258-273.	1.5	111
244	Firm Transitions from Products to Services and Mode of Entry. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
245	Why product service systems development is special. , 2015, , .		3
246	Role-play Based Assessment of IPS2-specific Intellectual Capital. Procedia CIRP, 2015, 30, 415-420.	1.0	5
247	Devising hybrid solutions: an exploratory framework. Production Planning and Control, 2015, 26, 654-672.	5.8	40
248	Towards a requirements traceability reference model for Product Service Systems. , 2015, , .		2
249	Competing and co-existing business models for EV: lessons from international case studies. International Journal of Automotive Technology and Management, 2015, 15, 126.	0.4	30
250	Customer Loyalty in Collaborative Consumption Model: Empirical Study of CRM for Product-Service System-Based e-Commerce in Indonesia. Procedia Computer Science, 2015, 72, 543-551.	1.2	16
251	Servitising manufacturers: the impact of service complexity and contractual and relational capabilities. Production Planning and Control, 2015, 26, 1233-1246.	5.8	76
252	A framework for Industrial Productâ€™Service Systems risk management. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2015, 229, 501-516.	0.6	8
253	What problems manufacturing companies can face when providing services around the world?. Journal of Business and Industrial Marketing, 2015, 30, 461-471.	1.8	25
254	Development of a Strategic Prototyping Framework for Product Service Systems Using Co-creation Approach. Procedia CIRP, 2015, 30, 1-6.	1.0	21
255	Main enablers and factors for successful implementation of lean in product-service systems. International Journal of Agile Systems and Management, 2015, 8, 332.	0.6	8
256	Service embeddedness and its role in a firmâ€™s internationalisation process. International Journal of Operations and Production Management, 2015, 35, 346-369.	3.5	7
257	Methodology for exploiting potentials of remanufacturing by reducing complexity for original equipment manufacturers. CIRP Annals - Manufacturing Technology, 2015, 64, 463-466.	1.7	16
258	DEMAT: sustainability assessment of new flexibility-oriented business models in the machine tools industry. International Journal of Computer Integrated Manufacturing, 2015, 28, 408-417.	2.9	13
259	The joint influence that service cost and product architecture exert on sequential innovation decisions. International Journal of Systems Science: Operations and Logistics, 2015, 2, 63-77.	2.0	1
260	The value of Big Data in servitization. International Journal of Production Economics, 2015, 165, 174-184.	5.1	400
261	A critical review of approaches available for design and innovation teams through the perspective of sustainability science and system innovation theories. Journal of Cleaner Production, 2015, 107, 366-377.	4.6	72
262	Integrated Product Service Offerings for rail infrastructure â€™ benefits and challenges regarding knowledge transfer and cultural change in a Swedish case. Journal of Cleaner Production, 2015, 98, 166-174.	4.6	22

#	ARTICLE	IF	CITATIONS
263	A Conceptual Framework for Designing Informatics-based Services in Manufacturing Industries. <i>Procedia CIRP</i> , 2015, 30, 72-77.	1.0	6
264	Supporting PSS Innovation Processes by an Integrating Model Grid. <i>Procedia CIRP</i> , 2015, 30, 227-232.	1.0	3
265	A case-based method for service-oriented value chain and sustainable network design. <i>Advanced Engineering Informatics</i> , 2015, 29, 269-294.	4.0	22
266	Decision-making Process for Product Planning of Product-Service Systems. <i>Procedia CIRP</i> , 2015, 30, 468-473.	1.0	9
267	Supporting the Development of Environmentally Sustainable PSS by Means of the Ecodesign Maturity Model. <i>Procedia CIRP</i> , 2015, 30, 173-178.	1.0	23
268	Supporting the Performance Assessment of Product-service Systems During the Use Phase. <i>Procedia CIRP</i> , 2015, 30, 203-208.	1.0	10
269	New design challenges to widely implement "Sustainable Product" Service Systems™. <i>Journal of Cleaner Production</i> , 2015, 97, 1-12.	4.6	263
270	What service transition? Rethinking established assumptions about manufacturers' service-led growth strategies. <i>Industrial Marketing Management</i> , 2015, 45, 59-69.	3.7	240
272	The manufacturer's value chain as a service - the case of remanufacturing. <i>Journal of Remanufacturing</i> , 2015, 5, 1.	1.6	32
273	Customer-oriented Framework for Product-service Systems. <i>Procedia CIRP</i> , 2015, 30, 287-292.	1.0	16
274	Improvisation as a Prerequisite for the Dynamic Interplay of Production and Service in PSS: Insights of an Organizational Design Principle and a Game-based Learning Approach. <i>Procedia CIRP</i> , 2015, 30, 366-371.	1.0	13
275	Product-service Systems as a Promising Approach to Sustainability: Exploring the Sustainable Aspects of a PSS in Brazil. <i>Procedia CIRP</i> , 2015, 30, 138-143.	1.0	25
276	Development of a PSS-oriented Business Model for Customized Production in Healthcare. <i>Procedia CIRP</i> , 2015, 30, 492-497.	1.0	11
277	Providing Product-Service-Systems - The Long Way from a Product OEM towards an Original Solution Provider (OSP). <i>Procedia CIRP</i> , 2015, 30, 233-238.	1.0	17
278	Hybrid Fuzzy Methodology for the Evaluation of Criteria and Sub-criteria of Product-service System (PSS). <i>Procedia CIRP</i> , 2015, 30, 439-444.	1.0	4
279	Sustainable Product-service Systems for an Office Furniture Manufacturer: How Insights From a Pilot Study can Inform PSS Design. <i>Procedia CIRP</i> , 2015, 30, 66-71.	1.0	15
280	Examining temporary disposition and acquisition in peer-to-peer renting. <i>Journal of Marketing Management</i> , 2015, 31, 1310-1332.	1.2	109
281	Towards a framework for lean operations in product-oriented product service systems. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2015, 9, 12-22.	2.3	47

#	ARTICLE	IF	CITATIONS
282	BIM as Infrastructure in a Finnish HVAC Actor Network: Enabling Adoption, Reuse, and Recombination over a Building Life Cycle and between Projects. <i>Journal of Management in Engineering - ASCE</i> , 2015, 31, .	2.6	24
283	Innovative flexibility-oriented business models and system configuration approaches: An industrial application. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2015, 11, 10-17.	2.3	6
284	Survey on Product-Service System applications in the automotive industry. <i>IFAC-PapersOnLine</i> , 2015, 48, 840-847.	0.5	15
285	Impact of Technical Support on Customer Satisfaction. <i>SAGE Open</i> , 2015, 5, 215824401561145.	0.8	8
286	“Demand pull” government policies to support Product-Service System activity: the case of Energy Service Companies (ESCOs) in the UK. <i>Journal of Cleaner Production</i> , 2015, 108, 900-915.	4.6	78
287	Using online textual data, principal component analysis and artificial neural networks to study business and innovation practices in technology-driven firms. <i>Computers in Industry</i> , 2015, 74, 16-28.	5.7	11
288	From Ownership to Service-oriented Business Models: A Survey in Capital Goods Companies and a PSS Typology. <i>Procedia CIRP</i> , 2015, 30, 245-250.	1.0	37
289	Exploring the servitization path: a conceptual framework and a case study from the capital goods industry. <i>Production Planning and Control</i> , 2015, 26, 1264-1277.	5.8	31
290	Product-Service System development with Discrete Event Simulation modeling dynamic behavior in Product-Service Systems. , 2015, , .		12
291	A Delphi study to explore the adoption of servitization in UK companies. <i>Production Planning and Control</i> , 2015, 26, 1171-1187.	5.8	58
292	Towards a sustainable use of primary boron. Approach to a sustainable use of primary resources. <i>Resources, Conservation and Recycling</i> , 2015, 103, 9-18.	5.3	13
293	Using portfolio theory to improve resource efficiency of invested capital. <i>Journal of Cleaner Production</i> , 2015, 98, 156-165.	4.6	20
294	Integrative re-use systems as innovative business models for devising sustainable product“service-systems. <i>Journal of Cleaner Production</i> , 2015, 97, 50-60.	4.6	92
295	Product services for a resource-efficient and circular economy “ a review. <i>Journal of Cleaner Production</i> , 2015, 97, 76-91.	4.6	1,259
296	Product-service systems in the electric car industry: critical success factors in marketing. <i>Journal of Cleaner Production</i> , 2015, 97, 40-49.	4.6	65
297	Sustainable product-service systems for clothing: exploring consumer perceptions of consumption alternatives in Finland. <i>Journal of Cleaner Production</i> , 2015, 97, 30-39.	4.6	314
298	Understanding the diffusion of Sustainable Product-Service Systems: Insights from the sociology of consumption and practice theory. <i>Journal of Cleaner Production</i> , 2015, 97, 13-20.	4.6	138
299	Innovation in product and services in the shipping retrofit industry: a case study of ballast water treatment systems. <i>Journal of Cleaner Production</i> , 2015, 106, 443-454.	4.6	33

#	ARTICLE	IF	CITATIONS
300	Productâ€“Service Systems (PSS) business models and tactics â€“ a systematic literature review. Journal of Cleaner Production, 2015, 97, 61-75.	4.6	581
301	The Changing Landscape of Energy Management in Manufacturing. , 2016, , .		1
302	Evaluating potential Business Models for innovative Product Service Systems : Transparency regarding the relation to existing business. , 2016, , .		0
303	Business Model Transition using the Integrated Product, Process and Manufacturing System Development Reference Model Transition from Product Centric to Product-Service System. , 2016, , .		0
304	Creating Customer Value for Product Service Systems by Incorporating Internet of Things Technology. Sustainability, 2016, 8, 1217.	1.6	16
305	Design practices used in the development of microfluidic devices: a services-based view. International Journal of Manufacturing Technology and Management, 2016, 30, 422.	0.1	1
306	Development of a Novel Co-Creative Framework for Redesigning Product Service Systems. Sustainability, 2016, 8, 434.	1.6	16
307	Collaborative Consumption: Conceptual Snapshot at a Buzzword. SSRN Electronic Journal, 2016, , .	0.4	26
308	Designing the Business Models for Circular Economyâ€“Towards the Conceptual Framework. Sustainability, 2016, 8, 43.	1.6	839
309	A Framework for Integrating Industrial Product-Service Systems and Cyber-Physical Systems. Lecture Notes in Computer Science, 2016, , 628-637.	1.0	2
310	Service Innovation in Industrial Contexts. Translational Systems Sciences, 2016, , 235-249.	0.2	3
311	A conceptual framework for product service system design for machine tools. Benchmarking, 2016, 23, 1227-1248.	2.9	4
312	Servicizing as a Tool for Increasing the Sustainability of Product Life Cycles. Lecture Notes in Business Information Processing, 2016, , 392-402.	0.8	0
313	Product-Service System (PSS) design: Using Design Thinking and Business Analytics to improve PSS Design. Procedia CIRP, 2016, 47, 341-346.	1.0	41
314	From Product Manufacturer to System Provider: Revenue Models for Product Service Systems. Developments in Marketing Science: Proceedings of the Academy of Marketing Science, 2016, , 565-578.	0.1	0
315	Sustainabilityâ€“oriented Innovation: A Systematic Review. International Journal of Management Reviews, 2016, 18, 180-205.	5.2	844
316	A framework for conceptual product-service-systems design based on design experiment. Transactions of the JSME (in Japanese), 2016, 82, 16-00152-16-00152.	0.1	0
317	Understanding Services: Understanding Stakeholders. IncoSE International Symposium, 2016, 26, 2226-2240.	0.2	0

#	ARTICLE	IF	CITATIONS
318	Building tribal communities in the collaborative economy: an innovation framework. Prometheus, 2016, 34, .	0.2	31
319	Integrating usage data into the planning of Product-Service Systems. , 2016, , .		6
320	Making the Business Case for Sustainability: How to Account for Intangible Benefitsâ€”A Case Study Approach. Environmental Quality Management, 2016, 26, 5-24.	1.0	7
321	A TRIZ-based multi-route model for product-service system design innovation. Journal of Design Research, 2016, 14, 326.	0.1	3
322	Creativity and sustainable apparel retail models: does consumersâ€™ tendency for creative choice counter-conformity matter in sustainability?. Fashion and Textiles, 2016, 3, .	1.3	21
323	Advanced maintenance as enabler for service oriented business models (BM) -An application in forklift trucks. IFAC-PapersOnLine, 2016, 49, 144-149.	0.5	4
324	Sustainable Product Service Systems â€” From Concept Creation to the Detailing of a Business Model for a Bicycle Sharing System in Berlin. Procedia CIRP, 2016, 40, 524-529.	1.0	11
325	Environmental implications of planned obsolescence and product lifetime: a literature review. International Journal of Sustainable Engineering, 2016, 9, 119-129.	1.9	42
326	A multidisciplinary method for sustainability assessment of PSS: Challenges and developments. CIRP Journal of Manufacturing Science and Technology, 2016, 15, 56-64.	2.3	29
327	Combining Integrated Product and Service Offerings with Industrial Symbiosis â€” a study of opportunities and challenges. Journal of Cleaner Production, 2016, 127, 240-248.	4.6	9
328	Risk management for product-service system operation. International Journal of Operations and Production Management, 2016, 36, 665-686.	3.5	81
329	Understanding the transformation from products to services â€” a literature review and research agenda. , 2016, , 79-108.		4
330	Exploring the consumption side of sustainable product-service systems (PSS): An empirical study and insights for PSS sustainable design. CIRP Journal of Manufacturing Science and Technology, 2016, 15, 74-81.	2.3	10
331	Business process support for IoT based product-service systems (PSS). Business Process Management Journal, 2016, 22, 305-323.	2.4	85
332	Can Re-distributed Manufacturing and Digital Intelligence Enable a Regenerative Economy? An Integrative Literature Review. Smart Innovation, Systems and Technologies, 2016, , 563-575.	0.5	27
333	Review of Product-Service System Design Methods. IFIP Advances in Information and Communication Technology, 2016, , 271-279.	0.5	4
334	Productâ€”Service System applied to Distributed Renewable Energy: A classification system, 15 archetypal models and a strategic design tool. Energy for Sustainable Development, 2016, 32, 71-98.	2.0	50
335	Effect of service integration strategy on industrial firm performance. Journal of Service Management, 2016, 27, 391-430.	4.4	34

#	ARTICLE	IF	CITATIONS
336	Reference Data Architecture for PSSs Life Cycle Inventory. <i>Procedia CIRP</i> , 2016, 47, 300-304.	1.0	12
337	The Last Border for Servitization. <i>Procedia CIRP</i> , 2016, 47, 394-399.	1.0	15
338	An Initial Training Program on Product-Service Systems and Servitization for Engineering Students. <i>Procedia CIRP</i> , 2016, 47, 282-287.	1.0	7
339	Exploring the Key Enabling Role of Digital Technologies for PSS Offerings. <i>Procedia CIRP</i> , 2016, 47, 561-566.	1.0	30
340	Product-service System for Sustainable EAF Transformers: Real Operation Conditions and Maintenance Impacts on the Life-cycle Cost. <i>Procedia CIRP</i> , 2016, 47, 72-77.	1.0	14
341	Remanufacturing with Upgrade PSS for New Sustainable Business Models. <i>Procedia CIRP</i> , 2016, 47, 531-536.	1.0	36
342	Exploring the Critical Factors for Sustainable Product-service Systems Implementation and Diffusion in Developing Countries: An Analysis of two PSS Cases in Brazil. <i>Procedia CIRP</i> , 2016, 47, 454-459.	1.0	7
343	Total Cost of Ownership for Product-Service System: Application of a Prototypal Model to Aluminum Melting Furnaces. <i>Procedia CIRP</i> , 2016, 47, 60-65.	1.0	11
344	Technology-based Product-services for Supporting Frugal Innovation. <i>Procedia CIRP</i> , 2016, 47, 126-131.	1.0	19
345	Toward Development of PSS-oriented Business Models for Micro-manufacturing. <i>Procedia CIRP</i> , 2016, 47, 507-512.	1.0	6
346	Focusing Aspects of Customer Acceptance for Planning Product-Service Systems – A Case Study from Construction Machines Industry. <i>Procedia CIRP</i> , 2016, 50, 372-377.	1.0	2
347	How to Design and Evaluate Early PSS Concepts: The Product Service Concept Tree. <i>Procedia CIRP</i> , 2016, 50, 366-371.	1.0	22
348	Additive Manufacturing and PSS: a Solution Life-Cycle Perspective. <i>IFAC-PapersOnLine</i> , 2016, 49, 1573-1578.	0.5	15
349	A Framework for PSS Business Models: Formalization and Application. <i>Procedia CIRP</i> , 2016, 47, 519-524.	1.0	15
350	PSS Offering in a B2B Context: Towards the Drivers to Enable Integrated Solutions. <i>Procedia CIRP</i> , 2016, 47, 400-405.	1.0	6
351	Eight challenges of servitisation for the configuration, measurement and management of organisations. <i>Journal of Service Theory and Practice</i> , 2016, 26, 745-763.	1.9	37
352	Evolution of design for sustainability: From product design to design for system innovations and transitions. <i>Design Studies</i> , 2016, 47, 118-163.	1.9	475
353	Extended responsibility through servitization in PSS. <i>Journal of Fashion Marketing and Management</i> , 2016, 20, 453-470.	1.5	28

#	ARTICLE	IF	CITATIONS
354	Comparing PSS Design Models Based on Content Analysis. <i>Procedia CIRP</i> , 2016, 47, 144-149.	1.0	9
355	Adaptable and Customizable Development Process for Product-Service Systems. <i>Procedia CIRP</i> , 2016, 47, 317-322.	1.0	5
356	Front-end Conditions for Product-service System Design. <i>Procedia CIRP</i> , 2016, 47, 42-47.	1.0	4
357	FIT: A TRIZ Based Failure Identification Tool for Product-Service Systems. <i>Procedia CIRP</i> , 2016, 47, 210-215.	1.0	10
358	Scaling up social businesses in developing markets. <i>Journal of Cleaner Production</i> , 2016, 139, 295-308.	4.6	81
359	A Use-Oriented Clothing Economy? Preliminary Affirmation for Sustainable Clothing Consumption Alternatives. <i>Sustainable Development</i> , 2016, 24, 18-31.	6.9	100
360	Product service system: A conceptual framework from a systematic review. <i>Journal of Cleaner Production</i> , 2016, 139, 1011-1032.	4.6	256
361	A proposed framework of sustainable self-evaluation maturity within companies: an exploratory study. <i>International Journal on Interactive Design and Manufacturing</i> , 2016, 10, 319-327.	1.3	15
362	Customer self-service platform: the next practice for servitisation of manufacturing. <i>International Journal of Services and Operations Management</i> , 2016, 25, 259.	0.1	7
363	Assessment of product-service systems for increasing the energy efficiency of compressed air systems. <i>European Journal of Industrial Engineering</i> , 2016, 10, 341.	0.5	10
364	Continuous improvement planning through sustainability assessment of product-service systems. <i>International Journal of Productivity and Quality Management</i> , 2016, 18, 168.	0.1	12
365	Empirical study on quality management for product-service systems in industrial environment. <i>Business Process Management Journal</i> , 2016, 22, 969-978.	2.4	3
366	The role of Product-service Systems Regarding Information Feedback Transfer in the Product Life-cycle Including Remanufacturing. <i>Procedia CIRP</i> , 2016, 47, 311-316.	1.0	16
367	How to use virtual prototyping to design product-service systems. , 2016, , .		3
368	Technology based industrial product-services supporting robustness in manufacturing systems. <i>IFAC-PapersOnLine</i> , 2016, 49, 53-58.	0.5	2
369	A Literature Review of Life Cycle Costing in the Product-Service System Context. <i>Procedia CIRP</i> , 2016, 47, 186-191.	1.0	21
370	Assessing the Efficiency of a PSS Solution for Waste Collection: A Simulation Based Approach. <i>Procedia CIRP</i> , 2016, 47, 252-257.	1.0	18
371	The impact of IoT technologies on product-oriented PSS: The "home delivery" service case. , 2016, , .		4

#	ARTICLE	IF	CITATIONS
372	Identifying Tensions in the Servitized Value Chain. <i>Research Technology Management</i> , 2016, 59, 38-47.	0.6	38
373	Voraussetzungen erfolgreicher nachhaltiger Geschäftsmodelle. , 2016, , 267-393.		0
374	Prioritizing Quality of Product and Service Dimensions With Respect to a Product-Service System in the Public Transport Sector. <i>Quality Management Journal</i> , 2016, 23, 23-36.	0.9	6
375	Translating satisfaction determination from health care to the automotive industry. <i>Service Business</i> , 2016, 10, 651-685.	2.2	7
376	Assessing Manufacturing SMEs'™ Readiness to Implement Service Design. <i>Procedia CIRP</i> , 2016, 47, 90-95.	1.0	9
377	Value-driven product service systems development: Methods and industrial applications. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2016, 15, 42-55.	2.3	62
378	Designing and Configuring the Value Creation Network for Servitization. <i>Lecture Notes in Business Information Processing</i> , 2016, , 457-470.	0.8	3
379	Remanufacturing as an Enabler for Green Service Models. , 2016, , 75-98.		2
380	Maturity-based approach for the development of environmentally sustainable product/service-systems. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2016, 15, 33-41.	2.3	49
381	Interview study: How can Product-Service Systems increase customer acceptance of innovations?. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2016, 15, 82-93.	2.3	24
382	Product design and business model strategies for a circular economy. <i>Journal of Industrial and Production Engineering</i> , 2016, 33, 308-320.	2.1	1,517
383	Service Innovation. <i>Translational Systems Sciences</i> , 2016, , .	0.2	7
384	Capability configurations for advanced service offerings in manufacturing firms: Using fuzzy set qualitative comparative analysis. <i>Journal of Business Research</i> , 2016, 69, 5330-5335.	5.8	85
385	The Sustainable Value Proposition of PSSs: The Case of ECOBEL 'Shower Head'. <i>Procedia CIRP</i> , 2016, 47, 12-17.	1.0	12
386	Successful Product-service Strategies and Managerial Practices: A Case Study Research of the Italian Heavy Truck Assistance Networks. <i>Procedia CIRP</i> , 2016, 47, 102-107.	1.0	2
387	Strategic Decision Making for the Triple Bottom Line. <i>Business Strategy and the Environment</i> , 2016, 25, 193-204.	8.5	96
388	Two life cycle assessment (LCA) based methods to analyse and design complex (regional) circular economy systems. Case: making water tourism more sustainable. <i>Journal of Cleaner Production</i> , 2016, 114, 257-268.	4.6	256
389	State-of-the-art of design, evaluation, and operation methodologies in product service systems. <i>Computers in Industry</i> , 2016, 77, 1-14.	5.7	168

#	ARTICLE	IF	CITATIONS
390	Organising the business processes of a product servitised supply chain: a value perspective. <i>Production Planning and Control</i> , 2016, 27, 378-393.	5.8	14
391	Configuration of Product-Service Systems value networks – Evidence from an innovative sector for sludge treatment. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2016, 12, 14-24.	2.3	22
392	Switch the channel: using cultural codes for designing and positioning sustainable products and services for mainstream audiences. <i>Journal of Cleaner Production</i> , 2016, 123, 16-27.	4.6	39
393	Development of a novel set of criteria to select methodology for designing product service systems. <i>Journal of Computational Design and Engineering</i> , 2016, 3, 112-120.	1.5	21
394	Trends and research challenges in remanufacturing. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2016, 3, 129-142.	2.7	184
395	Challenges when evaluating Product/Service-Systems through Life Cycle Assessment. <i>Journal of Cleaner Production</i> , 2016, 120, 95-104.	4.6	110
396	Smart box-enabled product-service system for cloud logistics. <i>International Journal of Production Research</i> , 2016, 54, 6693-6706.	4.9	93
397	Strategies for sustaining manufacturing competitiveness. <i>Journal of Manufacturing Technology Management</i> , 2016, 27, 6-37.	3.3	62
398	A case study of servicizing in the farming-livestock sector: organisational change and potential environmental improvement. <i>Journal of Cleaner Production</i> , 2016, 124, 84-93.	4.6	26
399	Automated Vendor Selection for Industrial Service Shares. <i>Procedia CIRP</i> , 2016, 41, 399-404.	1.0	0
400	Knowledge externalities and sectoral interdependences: Evidence from an open economy perspective. <i>Technological Forecasting and Social Change</i> , 2016, 102, 240-249.	6.2	7
401	An approach to rule extraction for product service system configuration that considers customer perception. <i>International Journal of Production Research</i> , 2016, 54, 5337-5360.	4.9	22
402	Impacts of Peer-to-Peer Accommodation Use on Travel Patterns. <i>Journal of Travel Research</i> , 2016, 55, 1022-1040.	5.8	532
403	Do integrated products and services increase customer satisfaction? The case of the mobile industry in Korea. <i>Total Quality Management and Business Excellence</i> , 2016, 27, 1261-1276.	2.4	7
404	Economies of Scale Versus Small Is Beautiful. <i>Organization and Environment</i> , 2016, 29, 36-52.	2.5	66
405	An evaluation scheme for product-service system models: development of evaluation criteria and case studies. <i>Service Business</i> , 2016, 10, 507-530.	2.2	42
406	Overcoming barriers to renewable energy diffusion: business models for customer-sited solar photovoltaics in Japan, Germany and the United States. <i>Journal of Cleaner Production</i> , 2016, 123, 124-136.	4.6	177
407	Business Models for Sustainability From a System Dynamics Perspective. <i>Organization and Environment</i> , 2016, 29, 74-96.	2.5	263

#	ARTICLE	IF	CITATIONS
408	Closing the loop or squaring the circle? Locating generative spaces for the circular economy. <i>Progress in Human Geography</i> , 2016, 40, 88-104.	3.3	205
409	Fostering absolute reductions in resource use: the potential role and feasibility of practice-oriented design. <i>Journal of Cleaner Production</i> , 2016, 132, 252-265.	4.6	13
410	Environmental and economic sustainability-aware resource service scheduling for industrial product service systems. <i>Journal of Intelligent Manufacturing</i> , 2017, 28, 1303-1316.	4.4	48
411	The integration of Design Thinking and Strategic Sustainable Development. <i>Journal of Cleaner Production</i> , 2017, 140, 277-287.	4.6	88
412	Strategic perspectives of corporate sustainability management to develop a sustainable organization. <i>Journal of Cleaner Production</i> , 2017, 140, 81-92.	4.6	336
413	An approach to business model innovation and design for strategic sustainable development. <i>Journal of Cleaner Production</i> , 2017, 140, 155-166.	4.6	184
414	Circular Business Model Innovation: Inherent Uncertainties. <i>Business Strategy and the Environment</i> , 2017, 26, 182-196.	8.5	546
415	Boosting servitization through digitization: Pathways and dynamic resource configurations for manufacturers. <i>Industrial Marketing Management</i> , 2017, 60, 42-53.	3.7	452
416	An evolving fuzzy inference system for extraction of rule set for planning a productâ€™service strategy. <i>Information Technology and Management</i> , 2017, 18, 131-147.	1.4	13
417	Costing-based coordination between mt-iPSS customer and providers for job shop production using game theory. <i>International Journal of Production Research</i> , 2017, 55, 430-446.	4.9	11
418	Meta-model of servitization: The integrative profiling approach. <i>Industrial Marketing Management</i> , 2017, 60, 17-32.	3.7	144
419	Effective product-service systems: A value-based framework. <i>Industrial Marketing Management</i> , 2017, 60, 33-41.	3.7	65
420	A QFD-based approach to support sustainable product-service systems conceptual design. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 88, 701-717.	1.5	62
421	Two strands of servitization: A thematic analysis of traditional and customer co-created servitization and future research directions. <i>International Journal of Production Economics</i> , 2017, 192, 40-53.	5.1	72
422	From Ecodesign to Sustainable Product/Service-Systems: A Journey Through Research Contributions over Recent Decades. <i>Sustainable Production, Life Cycle Engineering and Management</i> , 2017, , 99-111.	0.2	22
423	Theorising the dynamics of collaborative consumption practices: A comparison of peer-to-peer accommodation and cohousing. <i>Environmental Innovation and Societal Transitions</i> , 2017, 23, 53-69.	2.5	59
424	Overcoming the challenges that hinder new service development by manufacturers with diverse services strategies. <i>International Journal of Production Economics</i> , 2017, 192, 29-39.	5.1	60
425	Evidencing the waste effect of Product-Service Systems (PSSs). <i>Journal of Cleaner Production</i> , 2017, 145, 14-24.	4.6	66

#	ARTICLE	IF	CITATIONS
426	Service orientation as a strategic marketing tool: the moderating effect of business sector. <i>Competitiveness Review</i> , 2017, 27, 40-61.	1.8	14
427	Are KIBS beneficial to international business performance. <i>Competitiveness Review</i> , 2017, 27, 80-95.	1.8	13
428	Exploring the managerial dilemmas encountered by advanced analytical equipment providers in developing service-led growth strategies. <i>International Journal of Production Economics</i> , 2017, 192, 120-132.	5.1	29
429	Servitization and advanced business services as levers for competitiveness. <i>Industrial Marketing Management</i> , 2017, 60, 11-16.	3.7	77
430	Barriers to shifting to a servitized model of crop protection in smallholding viticulture. <i>Journal of Cleaner Production</i> , 2017, 149, 701-710.	4.6	7
431	Business models for the service transformation of industrial firms. <i>Service Industries Journal</i> , 2017, 37, 57-83.	5.0	77
432	A Personal Construct Psychology Based Investigation Into A Product Service System For Renting Pushchairs To Consumers. <i>Business Strategy and the Environment</i> , 2017, 26, 656-671.	8.5	14
433	Organisational change towards servitization: a theoretical framework. <i>Competitiveness Review</i> , 2017, 27, 12-39.	1.8	39
434	Solution providers'™ strategic capabilities. <i>Journal of Business and Industrial Marketing</i> , 2017, 32, 752-770.	1.8	51
435	Eco-Intelligent Factories: Timescales for Environmental Decision Support. <i>Smart Innovation, Systems and Technologies</i> , 2017, , 325-338.	0.5	0
436	Integrating Backcasting and Eco-Design for the Circular Economy: The BECE Framework. <i>Journal of Industrial Ecology</i> , 2017, 21, 526-544.	2.8	209
437	A Conceptual Modelling of the Key Components and Relations of Service Systems. <i>Lecture Notes in Business Information Processing</i> , 2017, , 115-130.	0.8	0
438	Manufacturer's strategy in a sharing economy. <i>CIRP Annals - Manufacturing Technology</i> , 2017, 66, 409-412.	1.7	23
439	Services in Machinery Manufacturing Sector in Poland. <i>Procedia Engineering</i> , 2017, 182, 350-358.	1.2	6
440	Mass Customization und Product-Service-Systems: Vergleich der Unternehmenstypen und der Entwicklungsumgebungen. , 2017, , 214-232.		6
441	Business Model Configuration for PSS: An Explorative Study. <i>Procedia CIRP</i> , 2017, 64, 97-102.	1.0	11
442	Product-Service Systems for Functional Offering of Automotive Fixtures: Using Design Automation as Enabler. <i>Procedia CIRP</i> , 2017, 64, 411-416.	1.0	9
443	PSS Pattern Concept for Knowledge Representation in Design Process of Industrial Product-service Systems. <i>Procedia CIRP</i> , 2017, 60, 428-433.	1.0	5

#	ARTICLE	IF	CITATIONS
444	Lifecycle Management of Product-service Systems: A Preliminary Investigation of a White Goods Manufacturer. <i>Procedia CIRP</i> , 2017, 64, 31-36.	1.0	14
445	Optimal channel coordination in use-based product-service system contracts. <i>International Journal of Production Research</i> , 2017, 55, 6946-6956.	4.9	19
446	Simulation-driven Design for Assessing Strategic Decisions in the Conceptual Design of Circular PSS Business Models. <i>Procedia CIRP</i> , 2017, 64, 25-30.	1.0	15
447	Predicting the Value of Product Service-Systems for Potential Future Implementers: Results from Multiple Industrial Case Studies. <i>Procedia CIRP</i> , 2017, 64, 295-300.	1.0	4
448	Overcoming the Product-Service Model Adoption Obstacles. <i>Procedia CIRP</i> , 2017, 64, 163-168.	1.0	10
449	Ecosystem evolution mechanism of manufacturing service system driven by service providers. <i>International Journal of Production Research</i> , 2017, 55, 3542-3558.	4.9	15
450	Joint business model innovation for sustainable transformation of industries – A large multinational utility in alliance with a small solar energy company. <i>Journal of Cleaner Production</i> , 2017, 160, 139-150.	4.6	51
451	Toward an Improved Strategy for Functional Product Development by Predicting Environmental and Economic Sustainability. <i>Procedia CIRP</i> , 2017, 59, 208-213.	1.0	1
452	The intellectual basis of servitization: A bibliometric analysis. <i>Journal of Engineering and Technology Management - JET-M</i> , 2017, 43, 83-97.	1.4	19
453	Collaborative apparel consumption in the digital sharing economy: An agenda for academic inquiry. <i>International Journal of Consumer Studies</i> , 2017, 41, 465-474.	7.2	90
454	Low-Carbon Waste Management. , 2017, , 113-127.		5
455	Current state and potential of additive – hybrid manufacturing for metal parts. <i>Rapid Prototyping Journal</i> , 2017, 23, 577-588.	1.6	32
456	Sustainable Business Models through Service Design. <i>Procedia Manufacturing</i> , 2017, 8, 292-299.	1.9	53
457	Servitization through outcome-based contract – A systems perspective from the defence industry. <i>International Journal of Production Economics</i> , 2017, 192, 133-143.	5.1	49
458	Exploring the journey to services. <i>International Journal of Production Economics</i> , 2017, 192, 66-80.	5.1	103
459	Organizational capabilities for pay-per-use services in product-oriented companies. <i>International Journal of Production Economics</i> , 2017, 192, 157-168.	5.1	82
460	Service Business Model Innovation in Healthcare and Hospital Management. , 2017, , .		11
461	Configuring use-oriented aero-engine overhaul service with multi-objective optimization for environmental sustainability. <i>Journal of Cleaner Production</i> , 2017, 162, S94-S106.	4.6	14

#	ARTICLE	IF	CITATIONS
462	Environmental impacts of the rental business model compared to the conventional business model: a Korean case of water purifier for home use. <i>International Journal of Life Cycle Assessment</i> , 2017, 22, 1096-1108.	2.2	25
463	Design for product-service systems: a procedure to enhance functional integration of product-service offerings. <i>International Journal of Product Development</i> , 2017, 22, 135.	0.2	26
464	Competing in business-to-business sectors through pay-per-use services. <i>Journal of Service Management</i> , 2017, 28, 914-935.	4.4	28
465	Can you put too much on your plate? Uncertainty exposure in servitized triads. <i>International Journal of Operations and Production Management</i> , 2017, 37, 1722-1740.	3.5	27
466	The Interaction of Product-Service Systems (PSS) and Corporate Environmental Management (CEM): Can PSS Drive Today's Fashion Industry Toward More Environmental Sustainability?. <i>Service Science</i> , 2017, 9, 235-249.	0.9	17
467	PSS business model conceptualization and application. <i>Production Planning and Control</i> , 2017, 28, 1251-1263.	5.8	60
468	Towards a new taxonomy of circular economy business models. <i>Journal of Cleaner Production</i> , 2017, 168, 487-498.	4.6	569
470	Reinterpreting the LCA Standard Procedure for PSS. <i>Procedia CIRP</i> , 2017, 64, 73-78.	1.0	17
471	Maturity Model and Action Recommendation: A PSS Capability Self-Assessment Tool for Companies. <i>Procedia CIRP</i> , 2017, 64, 175-180.	1.0	7
472	Promises and paradoxes of the sharing economy: An organizing framework. <i>Technological Forecasting and Social Change</i> , 2017, 125, 1-10.	6.2	499
473	Remanufacturing and Refurbishing in Developed and Developing Countries in Asia – A Case Study in Photocopiers. <i>Procedia CIRP</i> , 2017, 61, 645-650.	1.0	26
474	From Linear to Circular Economy: PSS Conducting the Transition. <i>Procedia CIRP</i> , 2017, 64, 2-6.	1.0	165
475	Proactive Maintenance as Success Factor for Use-Oriented Product-Service Systems. <i>Procedia CIRP</i> , 2017, 64, 330-335.	1.0	12
476	Reshaping the Washing Machine Industry through Circular Economy and Product-Service System Business Models. <i>Procedia CIRP</i> , 2017, 64, 43-48.	1.0	39
477	PSS Creating Business for Sustainability: The Brazilian Olive Oil Case in Mantiqueira Community. <i>Procedia CIRP</i> , 2017, 64, 405-410.	1.0	9
478	Bicycle Sharing Based on PSS-EPR Coupling Model: Exemplified by Bicycle Sharing in China. <i>Procedia CIRP</i> , 2017, 64, 423-428.	1.0	12
479	Towards Sustainability: PSS, Digital Technology and Value Co-creation. <i>Procedia CIRP</i> , 2017, 64, 79-84.	1.0	46
480	Augmenting Energy Flexibility in the Factory Environment. <i>Procedia CIRP</i> , 2017, 61, 434-439.	1.0	15

#	ARTICLE	IF	CITATIONS
481	Enablers and Inhibitors of Servitisation: A Case Study in the Brazilian Road Transport. <i>Procedia CIRP</i> , 2017, 64, 139-144.	1.0	1
482	Reference Product-Service System Lifecycle Models in Virtual Enterprise Context. <i>Procedia CIRP</i> , 2017, 64, 387-392.	1.0	2
483	Systems Engineering as a Foundation for PSS Development Project: Motivations and Perspectives. <i>Procedia CIRP</i> , 2017, 64, 205-210.	1.0	8
484	A Review of Business Models towards Service-Oriented Electricity Systems. <i>Procedia CIRP</i> , 2017, 64, 109-114.	1.0	30
485	An Ecosystem Approach as a Design Principle for a PSS-Specific Business Simulation. <i>Procedia CIRP</i> , 2017, 64, 223-228.	1.0	6
486	Developing a Conceptual Framework for PSS Business Models. <i>Procedia CIRP</i> , 2017, 64, 91-96.	1.0	2
487	An IPA Based Method for PSS Design Concept Assessment. <i>Procedia CIRP</i> , 2017, 64, 277-282.	1.0	20
488	Implementing Sustainable Product-Service Systems Utilizing Business Model Activities. <i>Procedia CIRP</i> , 2017, 64, 61-66.	1.0	19
489	Knowledge-based Estimation of Maintenance Time for Complex Engineered-to-Order Products Based on KPIs Monitoring: A PSS Approach. <i>Procedia CIRP</i> , 2017, 63, 236-241.	1.0	18
490	Combined analyses of costs, market value and eco-costs in circular business models: eco-efficient value creation in remanufacturing. <i>Journal of Remanufacturing</i> , 2017, 7, 1-17.	1.6	53
491	A service value co-creation process model for energy saving service business using inverters or transformers. , 2017, , .		0
492	A green model for the catering industry under demand uncertainty. <i>Journal of Cleaner Production</i> , 2017, 167, 459-472.	4.6	30
493	Measurement framework for product service system performance of generator set distributors. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	1
494	Impact of Service Transition on After Sales Service Structures of Manufacturing Companies. <i>Procedia CIRP</i> , 2017, 64, 133-138.	1.0	5
495	Life cycle assessment of clothing libraries: can collaborative consumption reduce the environmental impact of fast fashion?. <i>Journal of Cleaner Production</i> , 2017, 162, 1368-1375.	4.6	176
496	Towards Circular Lean Product-Service Systems. <i>Procedia CIRP</i> , 2017, 64, 13-18.	1.0	36
497	Service growth in product firms: Past, present, and future. <i>Industrial Marketing Management</i> , 2017, 60, 82-88.	3.7	242
498	Sustainable Design and Business Models in Textile and Fashion Industry. <i>Textile Science and Clothing Technology</i> , 2017, , 109-138.	0.4	24

#	ARTICLE	IF	CITATIONS
499	Product-Service Systems for servitization of the automotive industry: a literature review. <i>International Journal of Production Research</i> , 2017, 55, 2102-2120.	4.9	68
500	Servitization in global business-to-business distribution: The central activities of manufacturers. <i>Industrial Marketing Management</i> , 2017, 63, 167-178.	3.7	65
501	Value uncaptured perspective for sustainable business model innovation. <i>Journal of Cleaner Production</i> , 2017, 140, 1794-1804.	4.6	262
502	Review of sustainable service-based business models in the Chinese truck sector. <i>Sustainable Production and Consumption</i> , 2017, 11, 31-45.	5.7	11
503	Smart servitization within the context of industrial userâ€™supplier relationships: contingencies according to a machine tool manufacturer. <i>International Journal on Interactive Design and Manufacturing</i> , 2017, 11, 651-663.	1.3	61
504	Towards a new collaborative framework supporting the design process of industrial Product Service Systems. <i>Lecture Notes in Mechanical Engineering</i> , 2017, , 139-146.	0.3	1
505	A customization-oriented framework for design of sustainable product/service system. <i>Journal of Cleaner Production</i> , 2017, 140, 1672-1685.	4.6	181
506	â€œUpgradable PSSâ€ Clarifying a new concept of sustainable consumption/production based on upgradability. <i>Journal of Cleaner Production</i> , 2017, 141, 538-550.	4.6	81
507	An improved approach to evaluate car sharing options. <i>Ecological Indicators</i> , 2017, 72, 686-702.	2.6	25
508	Product biographies in servitization and the circular economy. <i>Industrial Marketing Management</i> , 2017, 60, 126-137.	3.7	129
509	The role of technology in designing and delivering Product-service Systems. , 2017, , .		8
510	Enhancing the Design and Management of the Product-Service System Supply Chain: An Application to the Automotive Sector. <i>Service Science</i> , 2017, 9, 302-314.	0.9	23
511	Servitization and the wider services communities: A bibliometric study. , 2017, , .		1
512	Product-service system for Indonesian industrial estate firms: A conceptual framework. , 2017, , .		1
513	Goal System Management for Use-Oriented Product-Service Systems. , 2017, , .		1
514	Proposal of a framework for product-service systems characterization. <i>Production</i> , 2017, 27, .	1.3	7
515	Industrial Symbiosis in the Upper Valley: A Study of the Casella-Hypertherm Recycling Partnership. <i>Sustainability</i> , 2017, 9, 806.	1.6	7
516	Barriers and conditions of open operation: a customer perspective on value co-creation for integrated product-service solutions. <i>International Journal of Technology Marketing</i> , 2017, 12, 90.	0.1	27

#	ARTICLE	IF	CITATIONS
517	How cultural organisations use digital technologies to enhance circular business models. International Journal of Environmental Policy and Decision Making, 2017, 2, 79.	0.1	4
518	The transformation mechanism of servitisation in China: a resource-based perspective. International Journal of Technology, Policy and Management, 2017, 17, 240.	0.1	1
519	Dynamic Optimization for IPS2 Resource Allocation Based on Improved Fuzzy Multiple Linear Regression. Mathematical Problems in Engineering, 2017, 2017, 1-10.	0.6	3
520	Sustainable Competitive Advantage: A Survey of Companies in Southern Brazil. Brazilian Business Review, 2017, 14, 352-367.	0.4	23
521	An architecture to support the development of reconfigurable and updatable product-service systems in furniture sector. , 2017, , .		1
522	A value co-creation approach to industrial product-service systems. International Journal of Services Operations and Informatics, 2017, 8, 290.	0.2	1
523	The main challenges for social life cycle assessment (SLCA) to support the social impacts analysis of product-service systems. International Journal of Life Cycle Assessment, 2018, 23, 607-616.	2.2	27
524	Structuring servitization-related research. International Journal of Operations and Production Management, 2018, 38, 350-371.	3.5	200
525	Experimenting with a circular business model: Lessons from eight cases. Environmental Innovation and Societal Transitions, 2018, 28, 79-95.	2.5	274
526	Building bridges: boundary spanners in servitized supply chains. International Journal of Operations and Production Management, 2018, 38, 579-604.	3.5	37
527	Entrepreneurial orientation for sustainable mobility through electric vehicles. Journal of Enterprising Communities, 2018, 12, 67-82.	1.6	9
528	Servicizing Solutions for Manufacturing Firms: Categorizing Service Ideas from Product-Service Integrated Examples. Design Journal, 2018, 21, 267-302.	0.5	4
529	Cleaner production as an antecedent for circular economy paradigm shift at the micro-level: Evidence from a home appliance manufacturer. Journal of Cleaner Production, 2018, 185, 740-748.	4.6	131
530	Literature Reviews: Life Cycle Assessment in the Context of Product-Service Systems and the Textile Industry. Procedia CIRP, 2018, 69, 758-763.	1.0	27
531	Quantified economic and environmental values through Functional Productization - A simulation approach. Environmental Impact Assessment Review, 2018, 70, 71-80.	4.4	2
532	Product service-systems implementation: A customized framework to enhance sustainability and customer satisfaction. Journal of Cleaner Production, 2018, 188, 387-401.	4.6	97
533	Hybrid business models for "Organ-on-a-Chip"™ technology: The best of both worlds. PharmaNutrition, 2018, 6, 55-63.	0.8	10
534	Coupling life cycle assessment and life cycle costing as an evaluation tool for developing product service system of high energy-consuming equipment. Journal of Cleaner Production, 2018, 183, 1043-1053.	4.6	50

#	ARTICLE	IF	CITATIONS
535	Changes in the intellectual basis of servitization research: A dynamic analysis. <i>Journal of Engineering and Technology Management - JET-M</i> , 2018, 48, 1-14.	1.4	15
536	Lessons learned from a successful industrial product service system business model: emphasis on financial aspects. <i>Journal of Business and Industrial Marketing</i> , 2018, 33, 365-376.	1.8	21
537	Service-Based Bioeconomyâ€™Multilevel Perspective to Assess the Evolving Bioeconomy with a Service Lens. <i>World Sustainability Series</i> , 2018, , 17-42.	0.3	3
538	The transition towards service-oriented business models. <i>International Journal of Engineering Business Management</i> , 2018, 10, 184797901875446.	2.1	19
539	Proposal of a novel reference system for the green product development process (GPDP). <i>Journal of Cleaner Production</i> , 2018, 187, 984-995.	4.6	24
540	Missing performance management and measurement aspects in performance-based contracting. <i>International Journal of Operations and Production Management</i> , 2018, 38, 2062-2095.	3.5	29
541	Design of informatics-based services in manufacturing industries: case studies using large vehicle-related databases. <i>Journal of Intelligent Manufacturing</i> , 2018, 29, 497-508.	4.4	51
542	Sustainable business models as an innovation strategy in the water sector: An empirical investigation of a sustainable product-service system. <i>Journal of Cleaner Production</i> , 2018, 171, S119-S129.	4.6	82
543	Using a design structure matrix to support technology roadmapping for productâ€™service systems. <i>Technology Analysis and Strategic Management</i> , 2018, 30, 337-350.	2.0	16
544	Systems of practice and the Circular Economy: Transforming mobile phone product service systems. <i>Environmental Innovation and Societal Transitions</i> , 2018, 26, 147-157.	2.5	59
545	The role of digital technologies for the service transformation of industrial companies. <i>International Journal of Production Research</i> , 2018, 56, 2116-2132.	4.9	406
546	Designing a policy package for the promotion of servicing: A case study of vineyard crop protection in Galicia (Spain). <i>Journal of Environmental Planning and Management</i> , 2018, 61, 348-369.	2.4	9
547	Exploring the challenges for circular business implementation in manufacturing companies: An empirical investigation of a pay-per-use service provider. <i>Resources, Conservation and Recycling</i> , 2018, 135, 3-13.	5.3	109
548	An environmentally conscious PSS recommendation method based on users' vague ratings: A rough multi-criteria approach. <i>Journal of Cleaner Production</i> , 2018, 172, 1592-1606.	4.6	51
549	Sustainable business model archetypes for the banking industry. <i>Journal of Cleaner Production</i> , 2018, 174, 150-169.	4.6	214
550	Sustainable business model adoption among S&P 500 firms: A longitudinal content analysis study. <i>Journal of Cleaner Production</i> , 2018, 170, 216-226.	4.6	189
551	A decoupling perspective on circular business model implementation: Illustrations from Swedish apparel. <i>Journal of Cleaner Production</i> , 2018, 171, 630-643.	4.6	157
552	Do circular economy business models capture intended environmental value propositions?. <i>Journal of Cleaner Production</i> , 2018, 171, 413-422.	4.6	304

#	ARTICLE	IF	CITATIONS
553	A conjoint analysis of circular economy value propositions for consumers: Using "washing machines in Stockholm" as a case study. <i>Journal of Cleaner Production</i> , 2018, 172, 264-273.	4.6	55
554	Integrating a business model perspective into transition theory: The example of new mobility services. <i>Environmental Innovation and Societal Transitions</i> , 2018, 27, 16-31.	2.5	101
555	An approach for the modelling and quantification of PSS customisation. <i>International Journal of Production Research</i> , 2018, 56, 1137-1153.	4.9	30
556	Developing a product "service system through a productisation strategy: a case from the 3PL industry. <i>International Journal of Production Research</i> , 2018, 56, 2233-2249.	4.9	12
558	Organizing for servitization: examining front- and back-end design configurations. <i>International Journal of Operations and Production Management</i> , 2018, 38, 249-271.	3.5	58
559	Financial performance of servitized manufacturing firms: A configuration issue between servitization strategies and customer-oriented organizational design. <i>Industrial Marketing Management</i> , 2018, 71, 54-68.	3.7	53
560	The environment-strategy-structure fit and performance of industrial servitized SMEs. <i>Journal of Service Management</i> , 2018, 29, 301-328.	4.4	28
561	Engineering for Sustainable Value. , 2018, , 265-295.		1
562	Enabling a cutting tool iPSS based on tool condition monitoring. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 94, 3265-3274.	1.5	5
563	Servitization: A Model for the Transformation of Products into Services through a Utility-Driven Approach. <i>Journal of Open Innovation: Technology, Market, and Complexity</i> , 2018, 4, 60.	2.6	20
564	Exploring the Spaceship Earth. , 0, , 23-56.		2
565	Exploring Applying Smart Interconnection Technology to Product Service Systems. , 2018, , .		1
566	Chapter 7 The Byebuy! Shop: Testing Shopping Scapes in a Circular Economy. , 2018, , 123-142.		0
567	Fifteen challenges for Service Innovation Studies. , 2018, , .		5
568	Product-service innovation and performance: unveiling the complexities. <i>International Journal of Business Environment</i> , 2018, 10, 95.	0.2	62
569	Modelos de Negócios Aplicados a Compartilhamento de Veículos Elétricos. <i>Journal on Innovation and Sustainability</i> , 2018, 9, 122.	0.2	1
570	Data Mining through Early Experience Prototyping -A step towards Data Driven Product Service System Design. <i>IFAC-PapersOnLine</i> , 2018, 51, 1095-1100.	0.5	3
571	Exploring Circular Strategy Combinations - towards Understanding the Role of PSS. <i>Procedia CIRP</i> , 2018, 69, 752-757.	1.0	36

#	ARTICLE	IF	CITATIONS
572	Toward Developing a Design Method of Personalization: Proposal of a Personalization Procedure. Procedia CIRP, 2018, 69, 740-745.	1.0	21
573	The rationale of PSS as an inspiration for Synthetic Environments. Procedia CIRP, 2018, 70, 356-361.	1.0	1
574	The Proposal of an Environmental Break-Even Point as Assessment Method of Product-Service Systems for Circular Economy. Procedia CIRP, 2018, 72, 720-725.	1.0	15
575	Implementation of Circular Economy principles in PSS operations. Procedia CIRP, 2018, 73, 124-129.	1.0	21
576	Agile Product-Service Design with VR-technology: A use case in the furniture industry. Procedia CIRP, 2018, 73, 114-119.	1.0	14
577	Complexity in Product-Service Systems: Review and Framework. Procedia CIRP, 2018, 73, 3-8.	1.0	28
578	Systematic Prototyping of Product-Service Systems. Procedia CIRP, 2018, 73, 50-55.	1.0	9
579	Game Theory Approach to Product Service Systems. Procedia CIRP, 2018, 73, 304-309.	1.0	3
580	An exploratory expansion of the concept of product-service systems beyond products and services. Procedia CIRP, 2018, 73, 185-190.	1.0	7
581	Defining value creation in the context of circular PSS. Procedia CIRP, 2018, 73, 142-147.	1.0	19
582	A Bayesian network model for supporting the formation of PSS design knowledge. Procedia CIRP, 2018, 73, 56-60.	1.0	2
583	A new method for Product Service System: the case of urban waste management. Procedia CIRP, 2018, 73, 67-72.	1.0	10
584	Analysing interplays between PSS business models and governmental policies towards a circular economy. Procedia CIRP, 2018, 73, 130-136.	1.0	3
585	Towards utilizing Customer Data for Business Model Innovation: The Case of a German Manufacturer. Procedia CIRP, 2018, 73, 310-316.	1.0	11
586	Impacts of Product-Service Systems on Sustainability – A structured Literature Review. Procedia CIRP, 2018, 73, 228-234.	1.0	13
587	A Meta-model for Product-Service System based on Systems Engineering approach. Procedia CIRP, 2018, 73, 39-44.	1.0	14
588	Maintenance scenario evaluation for point-of-sale terminals based on lifecycle simulation and risk assessment. Procedia CIRP, 2018, 73, 259-264.	1.0	3
589	An Industrial Product-Service System approach for Laser Process Quality Control. Procedia CIRP, 2018, 75, 403-408.	1.0	3

#	ARTICLE	IF	CITATIONS
590	Towards a framework to design upgradable product service systems. <i>Procedia CIRP</i> , 2018, 78, 400-405.	1.0	17
591	Identifying challenges in quantifying uncertainty: case study in infrared thermography. <i>Procedia CIRP</i> , 2018, 73, 108-113.	1.0	4
592	Barriers to bicycle sharing systems implementation: analysis of two unsuccessful PSS. <i>Procedia CIRP</i> , 2018, 73, 191-196.	1.0	17
593	The role of digital technologies to overcome Circular Economy challenges in PSS Business Models: an exploratory case study. <i>Procedia CIRP</i> , 2018, 73, 216-221.	1.0	116
594	Product-Service Systems lifecycle models: literature review and new proposition. <i>Procedia CIRP</i> , 2018, 73, 32-38.	1.0	13
595	A PSS maturity self-assessment tool. <i>Procedia CIRP</i> , 2018, 73, 86-90.	1.0	7
596	A perspective on value co-creation-oriented framework for smart product-service system. <i>Procedia CIRP</i> , 2018, 73, 155-160.	1.0	62
597	AvaliaÃ§Ã£o de desempenho de sistemas produto-serviÃ§o: revisÃ£o de literatura e agenda de pesquisa. <i>Revista ProduÃ§Ã£o Online</i> , 2018, 18, 532-559.	0.1	1
598	A customer-oriented model of product-service system lifecycle. <i>International Journal of Product Lifecycle Management</i> , 2018, 11, 350.	0.1	0
599	Integration of Scenario-based Requirements Forecast into Model-based Product-service System Planning. , 2018, , .		0
600	Chapter 11 Expanding International Business via Smart Services: Insights from â€˜Hidden Championsâ€™™ in the Machine Tool Industry. <i>Progress in International Business Research</i> , 2018, , 273-293.	0.3	9
601	Equipment Maintenance Business Model Innovation for Sustainable Competitive Advantage in the Digitalization Context: Connotation, Types, and Measuring. <i>Sustainability</i> , 2018, 10, 3970.	1.6	26
602	What Affect Manufacturers Approaching Servitization: A Case Study in HVAC Industry. <i>IFIP Advances in Information and Communication Technology</i> , 2018, , 400-409.	0.5	1
603	ICT-Enabled Sharing Economy and Environmental Sustainabilityâ€™A Resource-Oriented Approach. <i>Progress in IS</i> , 2018, , 53-65.	0.5	11
604	Guidance on the Conceptual Design of Sustainable Productâ€™Service Systems. <i>Sustainability</i> , 2018, 10, 2452.	1.6	25
605	Consumption in the Circular Economy: A Literature Review. <i>Sustainability</i> , 2018, 10, 2758.	1.6	235
606	Socially Responsible Supply Chains in Emerging Markets: Some Research Opportunities. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
607	State of the art in Through-life Engineering Services. <i>Computers in Industry</i> , 2018, 103, 111-131.	5.7	5

#	ARTICLE	IF	CITATIONS
608	Framing the Managerial Practices for Circular Economy Business Models: A Case Study Analysis. , 2018, , .		5
609	The Role of Human Resource Management (HRM) for the Implementation of Sustainable Product-Service Systems (PSS)â€”An Analysis of Fashion Retailers. Sustainability, 2018, 10, 2518.	1.6	24
610	Why Is Ownership an Issue? Exploring Factors That Determine Public Acceptance of Product-Service Systems. Sustainability, 2018, 10, 2289.	1.6	51
611	Methodology for Business Model Related Product Design. , 2018, , .		4
612	Designing Interventions for Behavioral Shifts toward Product Sharing: The Case of Laundry Activities in Japan. Sustainability, 2018, 10, 2687.	1.6	28
613	An evaluation of corporate customer need with regard to the use of product service systems for the furniture business through environmental marketing. Kasetsart Journal of Social Sciences, 2018, , .	0.4	1
614	Multi-Sided Digital Manufacturing Platform Supporting Exchange of Unused Company Potential. , 2018, , .		6
615	Review on upgradability â€” A product lifetime extension strategy in the context of product service systems. Journal of Cleaner Production, 2018, 204, 1154-1168.	4.6	102
617	The Demand-Pull Approach to Business Model Innovation Through Product-Service Systems: A Case Study. IFIP Advances in Information and Communication Technology, 2018, , 201-210.	0.5	0
618	How to Increase Share of Product-Related Services in Revenue? Strategy Towards Servitization. IFIP Advances in Information and Communication Technology, 2018, , 57-64.	0.5	7
619	Describing different integrated solutions. International Journal of Technology Management, 2018, 78, 343.	0.2	0
620	Product-service systems business models for circular supply chains. Production Planning and Control, 2018, 29, 498-508.	5.8	132
621	Revisiting industrial organization: Product service systems insight. Journal of Cleaner Production, 2018, 196, 1459-1477.	4.6	14
622	Towards an operations strategy model of servitization: the role of sustainability pressure. Operations Management Research, 2018, 11, 51-66.	5.0	24
623	A Framework for Increasing Sustainability in Services. Service Science, 2018, 10, 139-153.	0.9	10
624	Service (Systems) Engineering fÃ¼r die Produktion. , 2018, , 31-49.		3
625	Public Sector and Circular Business Models: From Public Support Towards Implementation Through Design. CSR, Sustainability, Ethics & Governance, 2018, , 85-101.	0.2	3
626	The role of values in collaborative fashion consumption - A critical investigation through the lenses of the theory of planned behavior. Journal of Cleaner Production, 2018, 199, 781-791.	4.6	95

#	ARTICLE	IF	CITATIONS
627	Sustainable business model innovation: A review. <i>Journal of Cleaner Production</i> , 2018, 198, 401-416.	4.6	702
628	The sustainable business model pattern taxonomyâ€™45 patterns to support sustainability-oriented business model innovation. <i>Sustainable Production and Consumption</i> , 2018, 15, 145-162.	5.7	217
629	Creating value for multiple stakeholders: Sustainable business models at the Base of the Pyramid. <i>Journal of Cleaner Production</i> , 2018, 196, 1600-1612.	4.6	59
630	Value creation in production: Reconsideration from interdisciplinary approaches. <i>CIRP Annals - Manufacturing Technology</i> , 2018, 67, 791-813.	1.7	37
631	Fashion leadership and intention toward clothing product-service retail models. <i>Journal of Fashion Marketing and Management</i> , 2018, 22, 571-587.	1.5	38
632	RESTART Sustainable Business Model Innovation. <i>Palgrave Studies in Sustainable Business in Association With Future Earth</i> , 2018, , .	0.5	25
633	Under which circumstances do consumers choose a product service system (PSS)? Consumer benefits and costs of sharing in PSS. <i>Journal of Cleaner Production</i> , 2018, 201, 416-427.	4.6	38
634	Cloud Manufacturing as a new type of Product-Service System. <i>International Journal of Computer Integrated Manufacturing</i> , 2018, 31, 1018-1033.	2.9	45
635	Estimating the value of servitization: A non-monetary method based on forecasted competitive advantage. <i>Journal of Cleaner Production</i> , 2018, 200, 74-85.	4.6	9
636	A survey of perceived prevalence of selected environmental topics in product development, and their relationships with employee's ecological concern. <i>Journal of Cleaner Production</i> , 2018, 199, 1116-1129.	4.6	8
637	Human-Centred Design of Products And Services for the Circular Economy â€™ A Review. <i>Design Journal</i> , 2018, 21, 451-476.	0.5	34
638	Sustainability measurement of product-service systems: Brazilian case studies about electric car-sharing. <i>International Journal of Sustainable Development and World Ecology</i> , 2018, 25, 722-729.	3.2	12
639	Exploring How Usage-Focused Business Models Enable Circular Economy through Digital Technologies. <i>Sustainability</i> , 2018, 10, 639.	1.6	328
640	Circular Business Model Challenges and Lessons Learnedâ€™An Industrial Perspective. <i>Sustainability</i> , 2018, 10, 739.	1.6	99
641	Uncovering the Topic Landscape of Product-Service System Research: from Sustainability to Value Creation. <i>Sustainability</i> , 2018, 10, 911.	1.6	17
642	Marketing Approaches for a Circular Economy: Using Design Frameworks to Interpret Online Communications. <i>Sustainability</i> , 2018, 10, 2070.	1.6	66
643	Does Access Trump Ownership? Exploring Consumer Acceptance of Access-Based Consumption in the Case of Smartphones. <i>Sustainability</i> , 2018, 10, 2133.	1.6	39
644	Conceptual Framework for Product Service Systems. <i>Systems</i> , 2018, 6, 20.	1.2	7

#	ARTICLE	IF	CITATIONS
645	Pay-per-use business models as a driver for sustainable consumption: Evidence from the case of HOMIE. Journal of Cleaner Production, 2018, 198, 498-510.	4.6	83
646	Industrial waste heat recovery: A systematic approach. Sustainable Energy Technologies and Assessments, 2018, 29, 50-59.	1.7	105
647	Datamodels for PSS Development and Configuration: Existing Approaches and Future Research. Springer Proceedings in Business and Economics, 2018, , 55-74.	0.3	1
648	Investigating a revised service transition concept. Service Business, 2018, 12, 701-730.	2.2	7
649	Sustainability-oriented service innovation: An emerging research field. Journal of Cleaner Production, 2018, 193, 533-548.	4.6	75
650	A modular design with complementary service based on PSS concept: Case of mobile phone. AIP Conference Proceedings, 2018, , .	0.3	1
651	Mitigating adverse customer behaviour for product-service system provision: An agency theory perspective. Industrial Marketing Management, 2018, 74, 150-161.	3.7	58
652	Smart Service Lifecycle Management: A Framework and Use Case. IFIP Advances in Information and Communication Technology, 2018, , 97-104.	0.5	9
653	Servitization framework for product transition in chemical distribution. , 2018, , .		1
654	Integrated product service offerings “ Challenges in setting requirements. Journal of Cleaner Production, 2018, 201, 879-887.	4.6	18
655	A Methodology for Architecting Collaborative Product Service System of Systems. , 2018, , .		13
656	Managing Risks for Product-Service Systems Provision: Introducing a Practical Decision Tool for Risk Management. , 2018, , 249-266.		4
657	Servitization in the Public Sector: A Framework for Energy Service Companies. , 2018, , 405-424.		3
658	Practices and Tools for Servitization. , 2018, , .		15
659	Managing tensions in sustainable business models: Exploring instrumental and integrative strategies. Journal of Cleaner Production, 2018, 196, 829-841.	4.6	66
660	Is sharing the solution? Exploring public acceptability of the sharing economy. Journal of Cleaner Production, 2018, 195, 939-948.	4.6	108
662	Sustainability in the collaborative economy: A bibliometric analysis reveals emerging interest. Journal of Cleaner Production, 2018, 196, 1073-1085.	4.6	136
663	Business Model Innovation for Resource-efficiency, Circularity and Cleaner Production: What 143 Cases Tell Us. Ecological Economics, 2019, 155, 20-35.	2.9	134

#	ARTICLE	IF	CITATIONS
664	Design-integrated financial assessment of smart services. <i>Electronic Markets</i> , 2019, 29, 19-35.	4.4	28
666	Design Framework for Customizable Product-Service System. , 2019, , 1-22.		0
667	Cascade Utilization During the End-of-Life of Product Service Systems: Synergies and Challenges. , 2019, , 1-7.		3
669	Antecedents and implications of territorial servitization. <i>Regional Studies</i> , 2019, 53, 410-423.	2.5	50
670	A BIM-based PSS Approach for the Management of Maintenance Operations of Building Equipment. <i>Buildings</i> , 2019, 9, 139.	1.4	44
671	Circular Innovation Framework: Verifying Conceptual to Practical Decisions in Sustainability-Oriented Product-Service System Cases. <i>Sustainability</i> , 2019, 11, 3248.	1.6	41
672	Leveraging Circular Economy through a Methodology for Smart Service Systems Engineering. <i>Sustainability</i> , 2019, 11, 3517.	1.6	29
673	Towards Circular Business Models: A systematic literature review on classification frameworks and archetypes. <i>Journal of Cleaner Production</i> , 2019, 236, 117696.	4.6	198
674	Made to break? A taxonomy of business models on product lifetime extension. <i>Journal of Cleaner Production</i> , 2019, 234, 867-880.	4.6	49
675	Archetypical consumer roles in closing the loops of resource flows for Fast-Moving Consumer Goods. <i>Journal of Cleaner Production</i> , 2019, 236, 117475.	4.6	20
676	From Goods to Services: The Life Cycle Assessment Perspective. <i>Journal of Service Science Research</i> , 2019, 11, 17-45.	0.8	10
678	Towards an Uncertainty Framework for Product Service Systems of Systems. <i>Proceedings of the Design Society International Conference on Engineering Design</i> , 2019, 1, 3121-3130.	0.6	5
679	Who are the Stakeholders Mentioned in Cases of Product-Service System (PSS) Design?. <i>Proceedings of the Design Society International Conference on Engineering Design</i> , 2019, 1, 3131-3140.	0.6	8
680	Circular PSS Strategies: An Exploration of the Integration of Territorial Resources. <i>Proceedings of the Design Society International Conference on Engineering Design</i> , 2019, 1, 3191-3200.	0.6	0
681	A survey of smart product-service systems: Key aspects, challenges and future perspectives. <i>Advanced Engineering Informatics</i> , 2019, 42, 100973.	4.0	234
682	Assessing the impacts of circular economy: a framework and an application to the washing machine industry. <i>International Journal of Management and Decision Making</i> , 2019, 18, 282.	0.1	16
683	Representing the Value Proposition of Product-Service Systems (PSS) in a Value-Based Perspective. <i>Proceedings of the Design Society International Conference on Engineering Design</i> , 2019, 1, 3091-3100.	0.6	2
684	Analysis of PSS Design Development Models in Turkey. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 471, 092019.	0.3	0

#	ARTICLE	IF	CITATIONS
685	Sustainable Product-Service Systems and Circular Economies. Sustainability, 2019, 11, 5383.	1.6	33
686	Evaluating the Environmental Performance of a Product/Service-System Business Model for Merino Wool Next-to-Skin Garments: The Case of Armadillo Merino®. Sustainability, 2019, 11, 5854.	1.6	38
687	Circular Strategies Enabled by the Internet of Things – A Framework and Analysis of Current Practice. Sustainability, 2019, 11, 5689.	1.6	76
688	Circular Housing Retrofit Strategies and Solutions: Towards Modular, Mass-Customised and “Cyclable” Retrofit Products. IOP Conference Series: Earth and Environmental Science, 2019, 290, 012035.	0.2	3
689	A methodological framework with rough-entropy-ELECTRE TRI to classify failure modes for co-implementation of smart PSS. Advanced Engineering Informatics, 2019, 42, 100968.	4.0	18
690	Broadening the understanding of the role of consumer services in the circular economy: Toward a conceptualization of value creation processes. Journal of Cleaner Production, 2019, 239, 118010.	4.6	19
691	Laundry Habits in Bangkok: Use Patterns of Products and Services. Sustainability, 2019, 11, 4486.	1.6	7
692	Upgradable Product-Service Systems: Implications for Business Model Components. Procedia CIRP, 2019, 80, 768-773.	1.0	12
693	Data lifecycle and technology-based opportunities in new Product Service System offering towards a multidimensional framework. Procedia CIRP, 2019, 83, 163-169.	1.0	7
694	Product-oriented Product Service System for Large-scale Vision Inspection. Procedia CIRP, 2019, 83, 675-679.	1.0	1
695	Research on Product Service System Design Based on Activity and Function – Take the Household Water Purifier as an Example. Procedia CIRP, 2019, 83, 495-500.	1.0	2
696	An Approach for Choosing the Cost Effective Design for a Product-Service System While Maintaining its Desired Reliability. Proceedings of the Design Society International Conference on Engineering Design, 2019, 1, 3041-3050.	0.6	1
697	Implications of Service-related Business Models on Product Development Processes. Procedia CIRP, 2019, 80, 756-761.	1.0	3
698	A problem formulation of sustainable business design from the viewpoint of general design theory. Procedia CIRP, 2019, 80, 45-49.	1.0	2
699	Designing Product-Service Systems to Close Resource Loops: Circular Design Guidelines. Procedia CIRP, 2019, 80, 631-636.	1.0	8
700	Study on the feasibility of modelling notations for integrated Product-Service Systems Engineering. Procedia CIRP, 2019, 83, 157-162.	1.0	5
701	Tangible services and intangible products in industrial product service systems. Procedia CIRP, 2019, 83, 28-31.	1.0	4
702	Towards development a PSS business evaluation: proposal of internal and external analysis for sevitzing manufacturers. Procedia CIRP, 2019, 83, 363-368.	1.0	2

#	ARTICLE	IF	CITATIONS
703	A system modelling approach to collaborative PSS design. <i>Procedia CIRP</i> , 2019, 83, 218-223.	1.0	5
704	Modeling "ilities"™ in early Product-Service Systems design. <i>Procedia CIRP</i> , 2019, 83, 230-235.	1.0	5
705	Analysis of Customer Reviews for Product Service System Design based on Cloud Computing. <i>Procedia CIRP</i> , 2019, 83, 522-527.	1.0	10
706	Service Delivery Process improvement using Decision Support Systems in two manufacturing companies. <i>Procedia CIRP</i> , 2019, 83, 248-253.	1.0	1
707	Life cycle simulation to support cross-disciplinary decision making in early PSS design. <i>Procedia CIRP</i> , 2019, 83, 260-265.	1.0	6
708	Decision-Support System-based Service Delivery in the Product-Service System Context: Literature Review and Gap Analysis. <i>Procedia CIRP</i> , 2019, 83, 126-131.	1.0	8
709	The Impact of Servitization and Digital Transformation - A Conceptual Extension of the IPOO-Framework. <i>Procedia CIRP</i> , 2019, 81, 914-919.	1.0	5
710	Modeling and Analyzing Cycle Networks in Product-Service System Development using System Dynamics. <i>Procedia CIRP</i> , 2019, 83, 38-43.	1.0	0
711	Research opportunities in PSS design focusing on the potentials of agile approaches. <i>Procedia CIRP</i> , 2019, 84, 832-837.	1.0	8
712	Sustainable Product-Service System Design: Integrating S-D Logic and Service Design Approaches. , 2019, , .		1
713	Is Prolonging the Lifetime of Passive Durable Products a Low-Hanging Fruit of a Circular Economy? A Multiple Case Study. <i>Sustainability</i> , 2019, 11, 4819.	1.6	37
714	Developing a circular strategies framework for manufacturing companies to support circular economy-oriented innovation. <i>Journal of Cleaner Production</i> , 2019, 241, 118271.	4.6	157
715	Concept for Introducing Sustainable Product Service Systems through aBusiness Game. <i>Procedia CIRP</i> , 2019, 83, 44-49.	1.0	1
716	Result-oriented PSS Modular Design Method based on FDSM. <i>Procedia CIRP</i> , 2019, 83, 610-615.	1.0	2
717	Orchestrating industrial ecosystem in circular economy: A two-stage transformation model for large manufacturing companies. <i>Journal of Business Research</i> , 2019, 101, 715-725.	5.8	198
718	Why and how to compete through sustainability: a review and outline of trends influencing firm and network-level transformation. <i>International Entrepreneurship and Management Journal</i> , 2019, 15, 1-19.	2.9	84
719	Servitization of global service network actors " A contingency framework for matching challenges and strategies in service transition. <i>Journal of Business Research</i> , 2019, 104, 461-471.	5.8	70
720	Business models and business cases for financial sustainability: Insights on corporate sustainability in the Swedish farm-based biogas industry. <i>Sustainable Production and Consumption</i> , 2019, 18, 115-129.	5.7	16

#	ARTICLE	IF	CITATIONS
721	Umwidmung und Weiterverwendung von Traktionsbatterien. , 2019, , .		11
722	Make-or-buy configurational approaches in product-service ecosystems and performance. Journal of Business Research, 2019, 104, 393-401.	5.8	76
723	Product service system transition method: building firmâ€™s core competence of enterprise. International Journal of Production Research, 2019, 57, 6452-6472.	4.9	22
724	Customer-pulled and provider-pushed pathways for product-service system. Journal of Manufacturing Technology Management, 2019, 30, 729-747.	3.3	18
725	A Systems Engineering Approach to Performance-Based Maintenance Services Design. Processes, 2019, 7, 59.	1.3	9
726	Service modularity: literature overview of concepts, effects, enablers, and methods. Service Industries Journal, 2021, 41, 1007-1028.	5.0	22
727	Unintended Circularity?â€”Assessing a Product-Service System for its Potential Contribution to a Circular Economy. Sustainability, 2019, 11, 2725.	1.6	34
728	3D Printing for Supply Chain Service Companies. , 2019, , 61-79.		3
729	What is a Product Service System?. , 2019, , 1-29.		0
730	Is sustainability a driver of the circular economy?. Social Responsibility Journal, 2019, 16, 329-347.	1.6	21
733	Circular Business Models versus circular benefits: An assessment in the waste from Electrical and Electronic Equipments sector. Journal of Cleaner Production, 2019, 231, 940-952.	4.6	96
734	Paths to service capability development for servitization: Examining an internal service ecosystem. Journal of Business Research, 2019, 104, 472-485.	5.8	45
735	Global sustainability under uncertainty: How do multinationals craft regulatory policies?. Corporate Social Responsibility and Environmental Management, 2019, 26, 1500-1516.	5.0	30
736	Prioritization of product-service business model elements at aerospace industry using analytical hierarchy process. Acta Scientiarum - Technology, 2019, 41, 37934.	0.4	9
737	Sustainable Business Models. Encyclopedia of the UN Sustainable Development Goals, 2019, , 1-13.	0.0	0
739	Servitization in Support of Sustainable Cities: What Are Steelâ€™s Contributions and Challenges?. Sustainability, 2019, 11, 855.	1.6	8
740	A causal sustainable product-service system using hierarchical structure with linguistic preferences in the Ecuadorian construction industry. Journal of Cleaner Production, 2019, 230, 477-487.	4.6	29
741	User acceptance and adoption of circular offerings in the fashion sector: Insights from user-generated online reviews. Journal of Cleaner Production, 2019, 231, 928-939.	4.6	59

#	ARTICLE	IF	CITATIONS
742	A worldwide survey on manufacturing servitization. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 103, 3927-3942.	1.5	43
743	A rough-fuzzy DEMATEL-ANP method for evaluating sustainable value requirement of product service system. <i>Journal of Cleaner Production</i> , 2019, 228, 485-508.	4.6	89
745	A Review and Evaluation of Circular Business Model Innovation Tools. <i>Sustainability</i> , 2019, 11, 2210.	1.6	156
746	Global Circular Economy Scenario in a Multiregional Input-Output Framework. <i>Environmental Science & Technology</i> , 2019, 53, 6362-6373.	4.6	53
747	Servitization: A contemporary thematic review of four major research streams. <i>Industrial Marketing Management</i> , 2019, 83, 207-223.	3.7	270
748	The Strategy of Combining Products and Services: A Literature Review. <i>Services Marketing Quarterly</i> , 2019, 40, 82-106.	0.7	5
749	A framework for sustainable value propositions in product-service systems. <i>Journal of Cleaner Production</i> , 2019, 223, 25-35.	4.6	97
750	Circular business models: Business approach as driver or obstructer of sustainability transitions?. <i>Journal of Cleaner Production</i> , 2019, 224, 361-374.	4.6	155
751	The Consumer Acceptance of Smart Product-Service Systems in Sharing Economy: The Effects of Perceived Interactivity and Particularity. <i>Sustainability</i> , 2019, 11, 928.	1.6	41
752	Exploring barriers to implementing different circular business models. <i>Journal of Cleaner Production</i> , 2019, 222, 891-902.	4.6	178
753	Reinventing product-service systems: the case of Singapore. <i>Foresight</i> , 2019, 21, 332-361.	1.2	7
754	Three circular business models that extend product value and their contribution to resource efficiency. <i>Journal of Cleaner Production</i> , 2019, 226, 1128-1137.	4.6	71
755	Causal or effectual? Dynamics of decision making logics in servitization. <i>Industrial Marketing Management</i> , 2019, 82, 15-26.	3.7	18
756	The influences of contract structure, contracting process, and service complexity on supplier performance. <i>International Journal of Operations and Production Management</i> , 2019, 39, 525-549.	3.5	24
757	Making Ours Mine: Increasing Consumer Acceptance of Access-Based PSS through Temporary Product Customisation. <i>Sustainability</i> , 2019, 11, 274.	1.6	16
758	The roles of internet of things technology in enabling servitized business models: A systematic literature review. <i>Industrial Marketing Management</i> , 2019, 82, 70-86.	3.7	108
759	Product-service system business model archetypes and sustainability. <i>Journal of Cleaner Production</i> , 2019, 220, 1156-1166.	4.6	83
760	Solutions in business networks: Implications of an interorganizational perspective. <i>Journal of Business Research</i> , 2019, 104, 411-421.	5.8	23

#	ARTICLE	IF	CITATIONS
761	Comparing Carbon Performances of Mobility Services and Private Vehicles from a Life Cycle Perspective. <i>Sustainable Production, Life Cycle Engineering and Management</i> , 2019, , 47-60.	0.2	0
762	Towards a framework of smart-circular systems: An integrative literature review. <i>Journal of Cleaner Production</i> , 2019, 221, 622-634.	4.6	164
763	An Inventory Management Model for Product-Service System in Dual-Channel Supply Chain. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 598, 012114.	0.3	0
764	Design of services in servitized firms: gamification as an adequate tool. <i>Journal of Business and Industrial Marketing</i> , 2019, 35, 575-585.	1.8	11
765	Productisation as the reverse side of the servitisation strategy. <i>International Journal of Business Environment</i> , 2019, 10, 247.	0.2	9
766	Business model of service-driven manufacturing from S-G logic perspective. <i>International Journal of Manufacturing Technology and Management</i> , 2019, 33, 234.	0.1	2
767	A systematic method to design product-service systems using personalisation services based on experience evaluations. <i>International Journal of Product Development</i> , 2019, 23, 353.	0.2	10
768	Talent for services: How gaining access to talent enables successful servitization. , 2019, , .		5
769	The PSS design GuRu methodology: guidelines and rules generation to enhance PSS detailed design. <i>Journal of Design Research</i> , 2019, 17, 125.	0.1	23
770	Restructuring for service business development: insights from a machine tool manufacturer. <i>International Journal of Business Environment</i> , 2019, 10, 281.	0.2	4
771	The next phase in servitization: transforming integrated solutions into modular solutions. <i>International Journal of Operations and Production Management</i> , 2019, 39, 630-657.	3.5	42
772	Business model development for sustainable apparel consumption. <i>Journal of Strategy and Management</i> , 2019, 12, 481-504.	1.9	46
773	Collaboration impact on social well-being for business sustainability: a case study of a Malaysian water treatment SME company. <i>International Journal of Services and Operations Management</i> , 2019, 34, 385.	0.1	0
774	The influence of home-country institutions on servitization. <i>International Journal of Emerging Markets</i> , 2019, 15, 809-828.	1.3	1
775	A Generic Knowledge-based Model for Commercial Offers: Towards a Unified Model to Configure Products, Services and PSS During Calls for Tenders. , 2019, , .		0
776	From Product to Service Business: Productization of Product-Oriented, Use-Oriented, and Result-Oriented Business. , 2019, , .		2
777	Problem-Solving Design-Platform Model Based on the Methodological Distinctiveness of Service Design. <i>Journal of Open Innovation: Technology, Market, and Complexity</i> , 2019, 5, 78.	2.6	5
778	Servitization of Small- and Medium-Sized Manufacturing Enterprises: Facing Barriers through the Dortmund Management Model. <i>IFAC-PapersOnLine</i> , 2019, 52, 2326-2331.	0.5	15

#	ARTICLE	IF	CITATIONS
779	Application of Big Data in a Multicategory Product-Service System for Global Logistics Support. IEEE Engineering Management Review, 2019, 47, 108-118.	1.0	8
780	A theories of practice perspective in understanding barriers to sustainable commuting: The case of United Arab Emirates. International Journal of Nonprofit and Voluntary Sector Marketing, 2019, 24, e1668.	0.5	8
781	A thousand-mile journey begins with the very first step: The case of a product-centric manufacturing firm's transformation towards servitization. CIRP Journal of Manufacturing Science and Technology, 2019, 27, 102-113.	2.3	2
783	Asset Management Framework and Tools for Facing Challenges in the Adoption of Product-Service Systems. IEEE Transactions on Engineering Management, 2022, 69, 2693-2706.	2.4	9
784	Product Service System Availability Improvement through Field Repair Kit Optimization: A Case Study. Applied Sciences (Switzerland), 2019, 9, 4272.	1.3	7
785	Asset replacement in the context of Servitization. , 2019, , .		4
786	Smart Homes as Product-Service Systems: Two Focal Areas for Developing Competitive Smart Home Appliances. Service Science, 2019, 11, 292-310.	0.9	16
787	PSS Strategic Alignment: Linking Service Transition Strategy with PSS Business Model. Sustainability, 2019, 11, 6245.	1.6	8
788	Business Model Readiness of Start-up Driven Energy Innovations " an Empirical Review. , 2019, , .		0
789	Sustainable Business Models. Palgrave Studies in Sustainable Business in Association With Future Earth, 2019, , .	0.5	11
790	Business Models for Multiple Value Creation: Exploring Strategic Changes in Organisations Enabling to Address Societal Challenges. Palgrave Studies in Sustainable Business in Association With Future Earth, 2019, , 151-179.	0.5	5
791	Managing Innovation for Circular Industrial Systems. , 2019, , 181-209.		0
792	USING PLATFORM STRATEGIES IN THE DEVELOPMENT OF INTEGRATED PRODUCT-SERVICE SOLUTIONS. International Journal of Innovation Management, 2019, 23, 1950034.	0.7	4
793	Research on Sustainable Business Model Patterns: Status quo, Methodological Issues, and a Research Agenda. Palgrave Studies in Sustainable Business in Association With Future Earth, 2019, , 25-60.	0.5	11
794	Does a more complex service offering increase uncertainty in operations?. International Journal of Operations and Production Management, 2019, 39, 75-93.	3.5	24
795	Designing Sustainable Business Models: Exploring IoT-Enabled Strategies to Drive Sustainable Consumption. Palgrave Studies in Sustainable Business in Association With Future Earth, 2019, , 61-88.	0.5	4
796	Investigation of consumer's acceptance of product-service-systems: A case study of cell phone leasing. Resources, Conservation and Recycling, 2019, 143, 36-44.	5.3	30
797	Which Service? How Industry Conditions Shape Firms' Service-type Choices. Journal of Product Innovation Management, 2019, 36, 381-407.	5.2	41

#	ARTICLE	IF	CITATIONS
798	Future scenarios for fast-moving consumer goods in a circular economy. <i>Futures</i> , 2019, 107, 74-88.	1.4	39
799	Literature vs. Twitter: Empirical insights on customer needs in e-mobility. <i>Journal of Cleaner Production</i> , 2019, 213, 508-520.	4.6	34
800	Customization of product, service, and product/service system: what and how to design. <i>Mechanical Engineering Reviews</i> , 2019, 6, 18-00184-18-00184.	4.7	12
801	The sharing economy: A comprehensive business model framework. <i>Journal of Cleaner Production</i> , 2019, 213, 320-331.	4.6	135
802	Business Transformation through Blockchain. , 2019, , .		17
803	Design and eco-innovation: micro-evidence from the Eurobarometer survey. <i>Industry and Innovation</i> , 2019, 26, 1208-1241.	1.7	14
804	Reshaping Business Models with an Environmental Perspective. <i>Ecoproduction</i> , 2019, , 139-158.	0.8	1
805	Generic Description of Service-Related Business Models in the Field of Machinery and Plant Engineering. , 2019, , 763-775.		4
806	Prioritizing customer requirements in a product-service system (PSS) context. <i>TQM Journal</i> , 2019, 31, 257-273.	2.1	26
807	High value manufacturing (HVM) in the UK: case studies and focus group insights. <i>Production Planning and Control</i> , 2019, 30, 60-75.	5.8	6
808	Servitization and Industry 4.0 convergence in the digital transformation of product firms: A business model innovation perspective. <i>Technological Forecasting and Social Change</i> , 2019, 141, 341-351.	6.2	554
809	At Your Service: How Can Blockchain Be Used to Address Societal Challenges?. , 2019, , 209-231.		6
810	A framework integrating interval-valued hesitant fuzzy DEMATEL method to capture and evaluate co-creative value propositions for smart PSS. <i>Journal of Cleaner Production</i> , 2019, 215, 611-625.	4.6	76
811	Servitization and sustainability actions. Evidence from European manufacturing companies. <i>Journal of Environmental Management</i> , 2019, 234, 367-378.	3.8	75
812	Sustainable business model experimentation by understanding ecologies of business models. <i>Journal of Cleaner Production</i> , 2019, 208, 1498-1512.	4.6	186
813	Customer experience creation for after-use products: A productâ€“service systems-based review. <i>Journal of Cleaner Production</i> , 2019, 210, 929-944.	4.6	50
814	Circular Business Model Transformation: A Roadmap for Incumbent Firms. <i>California Management Review</i> , 2019, 61, 5-29.	3.4	253
815	Manufacturing service order allocation in the context of social manufacturing based on Stackelberg game. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2019, 233, 1890-1901.	1.5	6

#	ARTICLE	IF	CITATIONS
817	Business models for sustainable consumption in the circular economy: An expert study. <i>Journal of Cleaner Production</i> , 2019, 212, 324-333.	4.6	187
818	Product-service systems in solar PV deployment programs: What can we learn from the California Solar Initiative?. <i>Resources, Conservation and Recycling</i> , 2019, 140, 145-157.	5.3	11
819	Servitization strategies from customersâ€™ perspective: the moderating role of co-creation. <i>Journal of Business and Industrial Marketing</i> , 2019, 34, 628-642.	1.8	60
820	Development of a Functional Unit for a Product Service System: One Year of Varied Use of Clothing. <i>Sustainable Production, Life Cycle Engineering and Management</i> , 2019, , 99-104.	0.2	2
821	FDI, service intensity, and international marketing agility. <i>International Marketing Review</i> , 2019, 36, 213-238.	2.2	39
822	Managerial practices for designing circular economy business models. <i>Journal of Manufacturing Technology Management</i> , 2019, 30, 561-589.	3.3	146
823	Closing the Loop on Eâ€waste: A Multidisciplinary Perspective. <i>Journal of Industrial Ecology</i> , 2019, 23, 169-181.	2.8	39
824	How to be successful with servitization â€ Guidelines for research and management. <i>Industrial Marketing Management</i> , 2019, 78, 58-75.	3.7	64
825	Product/Serviceâ€™Systems for a Circular Economy: The Route to Decoupling Economic Growth from Resource Consumption?. <i>Journal of Industrial Ecology</i> , 2019, 23, 22-35.	2.8	243
826	The Relevance of Circular Economy Practices to the Sustainable Development Goals. <i>Journal of Industrial Ecology</i> , 2019, 23, 77-95.	2.8	827
827	A Review and Typology of Circular Economy Business Model Patterns. <i>Journal of Industrial Ecology</i> , 2019, 23, 36-61.	2.8	558
828	Exploring business model innovation for sustainability: an investigation of two product-service systems. <i>Total Quality Management and Business Excellence</i> , 2019, 30, 594-612.	2.4	35
829	Integrating QFD for product-service systems with the Kano model and fuzzy AHP. <i>Total Quality Management and Business Excellence</i> , 2020, 31, 929-954.	2.4	64
830	Collaborative on-demand Product-Service Systems customization lifecycle. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2020, 29, 205-219.	2.3	18
831	A knowledge-based collaborative platform for PSS design and production. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2020, 29, 220-231.	2.3	19
832	Capturing and enhancing provider value in product-service systems throughout the lifecycle: A systematic approach. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2020, 29, 191-204.	2.3	19
833	Manage risk of sustainable productâ€™service systems: a case-based operations research approach. <i>Annals of Operations Research</i> , 2020, 291, 897-920.	2.6	8
834	At the origins of Product Service Systems: Supporting the concept assessment with the Engineering Value Assessment method. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2020, 29, 157-175.	2.3	28

#	ARTICLE	IF	CITATIONS
835	Remanufacturing with upgrade PSS for new sustainable business models. CIRP Journal of Manufacturing Science and Technology, 2020, 29, 245-256.	2.3	31
836	Definition of a conceptual scale of servitization: Proposal and preliminary results. CIRP Journal of Manufacturing Science and Technology, 2020, 29, 141-156.	2.3	21
837	Commercializing Sustainable Technologies by Developing Attractive Value Propositions: The Case of Photovoltaic Panels. Organization and Environment, 2020, 33, 220-244.	2.5	5
838	Different roads to servitization success – A configurational analysis of financial and non-financial service performance. Industrial Marketing Management, 2020, 84, 105-125.	3.7	54
839	A framework with hybrid approach to analyse system requirements of smart PSS toward customer needs and co-creative value propositions. Computers and Industrial Engineering, 2020, 139, 105776.	3.4	30
840	Can product service systems support electric vehicle adoption?. Transportation Research, Part A: Policy and Practice, 2020, 137, 343-359.	2.0	17
841	Coordinating contracts for a wind-power equipment supply chain with joint efforts on quality improvement and maintenance services. Journal of Cleaner Production, 2020, 243, 118616.	4.6	17
842	Environmental potential of reusing, renting, and sharing consumer products: Systematic analysis approach. Journal of Cleaner Production, 2020, 242, 118487.	4.6	28
843	Exploring the relationship between product-service system and profitability. Journal of Management and Governance, 2020, 24, 563-585.	2.4	14
844	Millennials's acceptance of product-service systems: Leasing smartphones in Flanders (Belgium). Journal of Cleaner Production, 2020, 246, 118992.	4.6	12
845	A typology of circular start-ups: An Analysis of 128 circular business models. Journal of Cleaner Production, 2020, 245, 118528.	4.6	195
846	Explore and evaluate innovative value propositions for smart product service system: A novel graphics-based rough-fuzzy DEMATEL method. Journal of Cleaner Production, 2020, 243, 118672.	4.6	86
847	Price negotiating for services: elucidating the ambivalent effects on customers's negotiation aspirations. Journal of the Academy of Marketing Science, 2020, 48, 165-185.	7.2	15
848	“Small stories of closing loops”: social circularity and the everyday circular economy. Climatic Change, 2020, 163, 99-116.	1.7	59
849	Selection method of sustainable product-service system scenarios to support decision-making during early design stages. International Journal of Sustainable Engineering, 2020, 13, 1-16.	1.9	14
850	Competitive advantage implication of different Product Service System business models: Consequences of “not-replicable” capabilities. Journal of Cleaner Production, 2020, 247, 119121.	4.6	35
851	The state-of-the-art of the theory on Product-Service Systems. International Journal of Production Economics, 2020, 222, 107491.	5.1	54
852	The intellectual structure of the journal Business Strategy and the Environment : A 25-year author cocitation analysis. Business Strategy and the Environment, 2020, 29, 170-179.	8.5	7

#	ARTICLE	IF	CITATIONS
853	Product Redesign for Service Considerations Using Affordances for Service Activities. Sustainability, 2020, 12, 255.	1.6	1
854	Creating value in product service systems through sharing. Journal of Business Research, 2020, 121, 495-505.	5.8	23
855	Framing the servitization transformation process: A model to understand and facilitate the servitization journey. International Journal of Production Economics, 2020, 221, 107463.	5.1	88
856	Servitization and bioeconomy transitions: Insights on prefabricated wooden elements supply networks. Journal of Cleaner Production, 2020, 244, 118711.	4.6	29
857	Circular Economy and Consumer Protection: The Consumer as a Citizen and the Limits of Empowerment Through Consumer Law. Journal of Consumer Policy, 2020, 43, 227-248.	0.6	17
858	The impact of the Internet of Things (IoT) on servitization: an exploration of changing supply relationships. Production Planning and Control, 2020, 31, 203-219.	5.8	37
859	Barriers and drivers to sustainable business model innovation: Organization design and dynamic capabilities. Long Range Planning, 2020, 53, 101950.	2.9	273
860	Leveraging industry 4.0 – A business model pattern framework. International Journal of Production Economics, 2020, 225, 107588.	5.1	134
861	A framework to use product-service systems as plans to produce closed-loop resource flows. Journal of Cleaner Production, 2020, 252, 119733.	4.6	19
862	Circular business models: Current aspects that influence implementation and unaddressed subjects. Journal of Cleaner Production, 2020, 250, 119555.	4.6	86
863	Predicting the effects of logistics innovations on freight systems: Directions for research. Transport Policy, 2020, 86, A1-A6.	3.4	43
864	After-sales services and aftermarket support: a systematic review, theory and future research directions. International Journal of Production Research, 2020, 58, 1857-1892.	4.9	42
865	The future of sustainable healthcare: Extending product lifecycles. Resources, Conservation and Recycling, 2020, 153, 104589.	5.3	26
866	Drivers and barriers for the adoption of use-oriented product-service systems: A study with young consumers in medium and small cities. Sustainable Production and Consumption, 2020, 21, 92-103.	5.7	42
867	A design navigator to guide the transition towards environmentally benign product/service systems based on LCA results. Journal of Cleaner Production, 2020, 277, 124074.	4.6	20
868	Structural change and digitalization in developing countries: Conceptually linking the two transformations. Technology in Society, 2020, 63, 101428.	4.8	71
869	The Circular Economy in the European Union. , 2020, , .		2
870	Circular Economy: Slowing Resource Flows and Increasing Value. , 2020, , 117-129.		1

#	ARTICLE	IF	CITATIONS
871	Circular business models: A review. Journal of Cleaner Production, 2020, 277, 123741.	4.6	317
872	Absolute sustainability: Challenges to life cycle engineering. CIRP Annals - Manufacturing Technology, 2020, 69, 533-553.	1.7	86
873	Methodology for the implementation of subscription models in machinery and plant engineering. Procedia CIRP, 2020, 90, 730-735.	1.0	12
874	Toward the development of a comprehensive Product-Service System (PSS) evaluation method. Procedia CIRP, 2020, 93, 802-807.	1.0	8
875	Implementing sustainable design theory in business practice: A call to action. Journal of Cleaner Production, 2020, 273, 123113.	4.6	63
876	Product-Service System business model for printing houses. Journal of Cleaner Production, 2020, 274, 122939.	4.6	23
877	Circular value creation architectures: Make, ally, buy, or laissez-faire. Journal of Industrial Ecology, 2020, 24, 1250-1273.	2.8	44
878	A Schema for Systematic Service Imagining: Context-Based Activity Modeling. Sustainability, 2020, 12, 9558.	1.6	2
879	Design and manufacturing of a smart mobility platform's context awareness and path planning module: A PSS approach. Procedia Manufacturing, 2020, 51, 61-66.	1.9	5
880	Servitization and Manufacturing Companies. , 2020, , 223-238.		0
881	Designing ultra-personalized product service systems. CoDesign, 2020, 16, 274-292.	1.4	3
882	Formulating Service-Oriented Strategies for Servitization of Manufacturing Companies. Sustainability, 2020, 12, 9657.	1.6	8
884	Produktentwicklung und Konstruktionstechnik. Produktentwicklung Und Konstruktionstechnik, 2020, , .	0.2	4
885	Innovating business models for sustainability: an essential practice for responsible managers. , 2020, , .		5
886	An active preventive maintenance approach of complex equipment based on a novel product-service system operation mode. Journal of Cleaner Production, 2020, 277, 123365.	4.6	51
887	Effective after-sales services through the lean servitization canvas. International Journal of Lean Six Sigma, 2020, 11, 943-956.	2.4	12
888	Service delivery system design for risk management in sharing-based product service systems: a customer-oriented approach. International Journal of Operations and Production Management, 2020, 40, 459-479.	3.5	19
889	A maturity model for the servitization of product-centric companies. Journal of Manufacturing Technology Management, 2020, 31, 775-797.	3.3	21

#	ARTICLE	IF	CITATIONS
890	Circular business models in the European manufacturing industry: A multiple case study analysis. Journal of Cleaner Production, 2020, 274, 122964.	4.6	64
891	Integrated design for productâ€“service systems: a focus on multi-disciplinary interface. International Journal of Production Research, 2021, 59, 5884-5902.	4.9	7
892	Integrated approach for risk management in servitization decision-making process. Business Process Management Journal, 2020, 26, 1949-1977.	2.4	6
893	CEO characteristics and sustainability business model in financial technologies firms. Management Decision, 2020, 58, 1779-1799.	2.2	27
894	Eco-Efficient Value Creation of Residential Street Lighting Systems by Simultaneously Analysing the Value, the Costs and the Eco-Costs during the Design and Engineering Phase. Energies, 2020, 13, 3351.	1.6	5
895	Opportunities and challenges in IoT-enabled circular business model implementation â€“ A case study. Resources, Conservation and Recycling, 2020, 162, 105047.	5.3	90
896	Einordnung und Entwicklung von Produktdienstleistungssystemen im Innovationsmanagement. , 2020, , 321-333.		1
897	From theory to practice: systematising and testing business model archetypes for circular economy. Resources, Conservation and Recycling, 2020, 162, 105029.	5.3	61
898	AUTOMATED PRODUCT FUNCTIONALITY AND DESIGN OPTIMIZATION INSTANCING A PRODUCT-SERVICE SYSTEM. Proceedings of the Design Society DESIGN Conference, 2020, 1, 1405-1414.	0.8	3
899	Mapping challenges and methodologies for providing PSS - a thematic and descriptive analysis. Cogent Business and Management, 2020, 7, 1809945.	1.3	4
900	Product-service systems in Egypt: a multicase evaluation of field repair. International Journal of Emerging Markets, 2020, ahead-of-print, .	1.3	0
901	Smart product-service system configuration: a novel hypergraph model-based approach. , 2020, , .		2
902	Integrated PSS Roadmapping Using Customer Needs and Technology Change Likelihood. IEEE Transactions on Engineering Management, 2022, 69, 127-141.	2.4	4
903	Consumer Acceptance and Value in Use-Oriented Product-Service Systems: Lessons from Swedish Consumer Goods Companies. Sustainability, 2020, 12, 8079.	1.6	28
904	Systematic Literature Reviewâ€“Effects of PSS on Sustainability Based on Use Case Assessments. Sustainability, 2020, 12, 6989.	1.6	27
905	<i>Circular Economy Business Models: A Critical Examination</i>. Journal of Economic Issues, 2020, 54, 628-643.	0.3	20
906	Impact Assessment of Additive Manufacturing on Sustainable Business Models in Industry 4.0 Context. Sustainability, 2020, 12, 7066.	1.6	81
907	Exploring the impacts and contributions of maintenance function for sustainable manufacturing. International Journal of Production Research, 2020, 58, 7292-7310.	4.9	41

#	ARTICLE	IF	CITATIONS
908	Reducing e-waste in China's mobile electronics industry: the application of the innovative circular business models. <i>Asian Education and Development Studies</i> , 2020, 9, 591-610.	1.3	15
910	Consumer Motivation and Environmental Impact of Laundry Machine-Sharing: Analysis of Surveys in Tokyo and Bangkok. <i>Sustainability</i> , 2020, 12, 9756.	1.6	11
911	Circular Economy in Industrial Design Research: A Review. <i>Sustainability</i> , 2020, 12, 10279.	1.6	18
912	Digital Twins: A Critical Discussion on Their Potential for Supporting Policy-Making and Planning in Urban Logistics. <i>Sustainability</i> , 2020, 12, 10623.	1.6	29
913	"Stress-oriented, data-based payment model for machine tools". <i>Procedia CIRP</i> , 2020, 93, 1526-1531.	1.0	11
914	Collaboration in achieving sustainable solutions in the textile industry. <i>Journal of Business and Industrial Marketing</i> , 2021, 36, 1614-1626.	1.8	24
915	Determining an appropriate product-service system management to encourage firms' sustainability: a conceptual framework (case for Indonesian industrial estate firms). <i>International Journal of Public Sector Performance Management</i> , 2020, 6, 488.	0.1	2
916	TOWARDS A FRAMEWORK FOR THE DESIGN OF VARIETY-ORIENTED PRODUCT-SERVICE SYSTEMS. <i>Proceedings of the Design Society DESIGN Conference</i> , 2020, 1, 1345-1354.	0.8	10
917	THE IMPORTANCE OF CONSIDERING FLEET SIZE IN THE LIFECYCLE COST ANALYSIS OF PRODUCT SERVICE SYSTEMS. <i>Proceedings of the Design Society DESIGN Conference</i> , 2020, 1, 1365-1374.	0.8	4
918	DISCRETE-EVENT SIMULATION FOR SPECIFICATION DESIGN OF PRODUCTS IN PRODUCT-SERVICE SYSTEMS. <i>Proceedings of the Design Society DESIGN Conference</i> , 2020, 1, 255-264.	0.8	1
919	COMPARING CONSUMERS' PRODUCT CARE IN ACCESS AND OWNERSHIP MODELS. <i>Proceedings of the Design Society DESIGN Conference</i> , 2020, 1, 2167-2176.	0.8	4
920	Analyzing cognitive processes of a product/service-system design session using protocol analysis. <i>Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM</i> , 2020, 34, 515-530.	0.7	7
921	Research on Smart Knowledge Application Methods for Green Manufacturing. , 2020, , .		0
922	SERVICE-ORIENTED BUSINESS MODELS IN MANUFACTURING IN THE DIGITAL ERA: TOWARD A NEW TAXONOMY. <i>International Journal of Innovation Management</i> , 2020, 24, 2040002.	0.7	11
923	Digital Product-Service Systems meet Product Line Systems Engineering – The Cart before the Horse?. <i>IncoSE International Symposium</i> , 2020, 30, 483-498.	0.2	3
924	Customizing Products through Remanufacturing -Ideation of a Concept. <i>Procedia Manufacturing</i> , 2020, 43, 598-605.	1.9	6
925	Experimenting with sustainable business models in fast moving consumer goods. <i>Journal of Cleaner Production</i> , 2020, 270, 122302.	4.6	16
926	Entrepreneurial Drivers for the Development of the Circular Business Model: The Role of Academic Spin-Off. <i>Sustainability</i> , 2020, 12, 423.	1.6	25

#	ARTICLE	IF	CITATIONS
927	Servitization in the automotive industry: How car manufacturers become mobility service providers. <i>Strategic Change</i> , 2020, 29, 215-226.	2.5	27
928	Software Analysis Method for Assessing Software Sustainability. <i>International Journal of Software Engineering and Knowledge Engineering</i> , 2020, 30, 67-95.	0.6	7
929	Sustainable offers for drying and storage of grains: Identifying perceived value for Brazilian farmers. <i>Journal of Stored Products Research</i> , 2020, 87, 101579.	1.2	14
930	Dockless E-Scooter: A Green Solution for Mobility? Comparative Case Study between Dockless E-Scooters, Displaced Transport, and Personal E-Scooters. <i>Sustainability</i> , 2020, 12, 1803.	1.6	104
931	Challenges of Industry 4.0 in SME businesses. , 2020, , .		6
932	The Model-Driven Decision Arena: Augmented Decision-Making for Product-Service Systems Design. <i>Systems</i> , 2020, 8, 22.	1.2	11
933	Applying Distributed Manufacturing to Product-Service System Design: A Set of Near-Future Scenarios and a Design Tool. <i>Sustainability</i> , 2020, 12, 4918.	1.6	9
934	Pricing for product-service system under dual-channel supply chain. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	1
935	Smart design engineering: a literature review of the impact of the 4th industrial revolution on product design and development. <i>Research in Engineering Design - Theory, Applications, and Concurrent Engineering</i> , 2020, 31, 175-195.	1.2	61
936	Why Sustainable Development Requires Societal Innovation and Cannot Be Achieved without This. <i>Sustainability</i> , 2020, 12, 1270.	1.6	30
937	Digital servitization in manufacturing: A systematic literature review and research agenda. <i>Industrial Marketing Management</i> , 2020, 89, 278-292.	3.7	258
938	How sustainable is smart PSS? An integrated evaluation approach based on rough BWM and TODIM. <i>Advanced Engineering Informatics</i> , 2020, 43, 101042.	4.0	37
939	Towards product-service system oriented to circular economy: A systematic review of value proposition design approaches. <i>Journal of Cleaner Production</i> , 2020, 257, 120507.	4.6	119
940	Consumer acceptance of circular business models. <i>Journal of Cleaner Production</i> , 2020, 254, 119988.	4.6	42
941	A Tool to Analyze, Ideate and Develop Circular Innovation Ecosystems. <i>Sustainability</i> , 2020, 12, 417.	1.6	92
942	Optimization of the Productâ€“Service System Configuration Based on a Multilayer Network. <i>Sustainability</i> , 2020, 12, 746.	1.6	12
943	Addressing the design-implementation gap of sustainable business models by prototyping: A tool for planning and executing small-scale pilots. <i>Journal of Cleaner Production</i> , 2020, 255, 120295.	4.6	81
944	Predicting consumer adoption of branded subscription services: A prospect theory perspective. <i>Business Strategy and the Environment</i> , 2020, 29, 1310-1330.	8.5	18

#	ARTICLE	IF	CITATIONS
945	Making the circular economy work for human development. <i>Resources, Conservation and Recycling</i> , 2020, 156, 104686.	5.3	162
946	Using life cycle costing (LCC) to select circular measures: A discussion and practical approach. <i>Resources, Conservation and Recycling</i> , 2020, 155, 104650.	5.3	24
947	A Product/Service System Design Schema: Application to Big Data Analytics. <i>Sustainability</i> , 2020, 12, 3484.	1.6	20
948	Internet of things technologies, digital servitization and business model innovation in BtoB manufacturing firms. <i>Industrial Marketing Management</i> , 2020, 89, 245-264.	3.7	248
949	A product-service-system proposal for municipalities in developing countries with tight budget to convert the organic waste in energy to eliminate dumps. <i>Waste Management</i> , 2020, 106, 99-109.	3.7	7
950	Supply chain sustainability and performance of firms: A meta-analysis of the literature. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2020, 137, 101923.	3.7	105
951	A choice behavior experiment with circular business models using machine learning and simulation modeling. <i>Journal of Cleaner Production</i> , 2020, 258, 120894.	4.6	30
952	Product-service system configuration: a generic knowledge-based model for commercial offers. <i>International Journal of Production Research</i> , 2021, 59, 1021-1040.	4.9	16
953	Servitization experience measurement and the effect of servitization experience on brand resonance and customer retention. <i>Journal of Business Research</i> , 2021, 130, 384-397.	5.8	24
954	A quantifiable quality enabled servitisation model: benchmarking Indian automobile manufacturers. <i>International Journal of Production Research</i> , 2021, 59, 2667-2689.	4.9	10
956	Outcome-based contracting from the customers' perspective: A means-end chain analytical exploration. <i>Industrial Marketing Management</i> , 2021, 93, 466-481.	3.7	29
957	Overcoming the Service Paradox by Leveraging Organizational Design and Cultural Factors: A Combined Configuration and Contingency Approach. <i>IEEE Transactions on Engineering Management</i> , 2021, 68, 498-512.	2.4	22
958	Auction-based cloud service allocation and sharing for logistics product service system. <i>Journal of Cleaner Production</i> , 2021, 278, 123881.	4.6	16
959	The role of servitization in the capabilities " performance path. <i>Competitiveness Review</i> , 2021, 31, 645-667.	1.8	7
960	Developing novel property concepts in private law to foster the circular economy. <i>Journal of Cleaner Production</i> , 2021, 279, 123747.	4.6	14
962	Correlation of customer experience with the acceptance of product-service systems and circular economy. <i>Journal of Cleaner Production</i> , 2021, 281, 125275.	4.6	25
963	New business models in circular economy: A multiple case study into touch points creating customer values in health care. <i>Journal of Cleaner Production</i> , 2021, 282, 125375.	4.6	37
964	In the business of dirty oceans: Overview of startups and entrepreneurs managing marine plastic. <i>Marine Pollution Bulletin</i> , 2021, 162, 111880.	2.3	39

#	ARTICLE	IF	CITATIONS
965	The battle of the buzzwords: A comparative review of the circular economy and the sharing economy concepts. <i>Environmental Innovation and Societal Transitions</i> , 2021, 38, 1-21.	2.5	82
966	The transformation to a circular economy: framing an evolutionary view. <i>Journal of Evolutionary Economics</i> , 2021, 31, 475-504.	0.8	54
967	Frameworks for reverse logistics and sustainable design integration under a sustainability perspective: a systematic literature review. <i>Research in Engineering Design - Theory, Applications, and Concurrent Engineering</i> , 2021, 32, 225-243.	1.2	10
968	Fintech and SMEs sustainable business models: Reflections and considerations for a circular economy. <i>Journal of Cleaner Production</i> , 2021, 281, 125217.	4.6	119
969	The future of UK plastics recycling: One Bin to Rule Them All. <i>Resources, Conservation and Recycling</i> , 2021, 164, 105191.	5.3	53
970	Use of a product service system in a competing remanufacturing market. <i>Omega</i> , 2021, 102, 102387.	3.6	10
971	Environmental assessment of a product-service system for renting electric-powered tools. <i>Journal of Cleaner Production</i> , 2021, 281, 125245.	4.6	31
972	Digital transformation of traditional marketing business model in new industry era. <i>Journal of Enterprise Information Management</i> , 2021, 34, 1252-1273.	4.4	30
973	Setting the Stage for Research on Aftermarket Production Systems in Operations Management. <i>IFIP Advances in Information and Communication Technology</i> , 2021, , 212-219.	0.5	0
974	R�duire les pratiques d'obsolescence du point de vue des syst�mes produits "service orient�s produit : un agenda de recherche. <i>Recherche Et Applications En Marketing</i> , 2021, 36, 45-80.	0.2	0
976	Analysis on innovation strategy of agricultural sustainable business model " Taking Agricultural Maker Space "maker spark" in Sichuan Province as an Example. <i>E3S Web of Conferences</i> , 2021, 228, 02008.	0.2	0
977	Can Servitization Enhance Customer Loyalty? The Roles of Organizational IT, Social Media, and Service-Oriented Corporate Culture. <i>IEEE Transactions on Engineering Management</i> , 2023, 70, 40-54.	2.4	11
978	Graph-based context-aware product-service family configuration. , 2021, , 117-149.		0
979	Advancement of Circular Economy. <i>Advances in Finance, Accounting, and Economics</i> , 2021, , 194-218.	0.3	0
980	Value(s) Creation. , 2021, , 151-166.		0
981	An analysis of UK retailers' initiatives towards circular economy transition and policy-driven directions. <i>Clean Technologies and Environmental Policy</i> , 2022, 24, 1209-1217.	2.1	24
982	Development Process for Smart Service Strategies: Grasping the Potentials of Digitalization for Servitization. <i>Management for Professionals</i> , 2021, , 205-237.	0.3	3
983	System Modelling and Analysis to Support Economic Assessment of Product-Service Systems. <i>Systems</i> , 2021, 9, 6.	1.2	2

#	ARTICLE	IF	CITATIONS
984	Product-Service Systems Development for Sustainability. A New Understanding. Lecture Notes in Mechanical Engineering, 2021, , 1-21.	0.3	2
985	MaaS as a Catalyst for the Public Transport Revolution in Developing Countries. Transportation Research, Economics and Policy, 2021, , 181-192.	0.3	1
986	A Methodology to Build a Framework for Collaboration Performance Assessment in PSS Delivery. IFIP Advances in Information and Communication Technology, 2021, , 181-191.	0.5	0
987	Proposal of design support method for timeaxis design using patterns between temporal changes and countermeasures. Transactions of the JSME (in Japanese), 2021, 87, 20-00170-20-00170.	0.1	0
988	A Capability Model for Equipment-as-a-Service Adoption in Manufacturing Companies. Progress in IS, 2021, , 59-71.	0.5	4
990	New trends in product service system and servitization research: A conceptual structure emerging from three decades of literature. CIRP Journal of Manufacturing Science and Technology, 2021, 32, 424-436.	2.3	14
991	eServices and Gaming Industry "Value-Creating Ecologies as Main Factor for Customer Acceptance of Digital Servitization. Studies in Systems, Decision and Control, 2021, , 485-520.	0.8	0
992	Comparing Digital Platform Types in the Platform Economy. Lecture Notes in Computer Science, 2021, , 417-431.	1.0	5
993	Theoretical Landscape in Servitization. , 2021, , 1-23.		2
994	PSS Business Models: A Structured Typology. , 2021, , 57-71.		3
995	Reducing obsolescence practices from a product-oriented PSS perspective: A research agenda. Recherche Et Applications En Marketing, 2021, 36, 42-74.	0.3	2
996	Design of a Methodological Framework for Adaptive Remanufacturing-based Business Models. Procedia CIRP, 2021, 98, 547-552.	1.0	6
997	Configurational Servitization Approach: A Necessary Alignment of Service Strategies, Digital Capabilities and Customer Resources. , 2021, , 437-454.		1
998	Digital Business Model Innovation for Product-Service Systems. , 2021, , 89-101.		0
999	Thirteen scarce resources analyzed. , 2021, , 147-380.		1
1000	Nachhaltigkeit in der Telekommunikation. Management-Reihe Corporate Social Responsibility, 2021, , 69-83.	0.1	0
1001	A concept map to support the planning and evaluation of artifacts in the initial phases of PSS design. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 2021, 32, 189-223.	1.2	7
1002	Cleaning Up Our Act: Systems Engineering to Promote Business Model Innovation for the Offshore Exploration and Production Supply Chain Operations. Sustainability, 2021, 13, 2113.	1.6	6

#	ARTICLE	IF	CITATIONS
1003	Enhancing knowledge management in the PSS detailed design: a case study in a food and bakery machinery company. <i>Concurrent Engineering Research and Applications</i> , 2021, 29, 295-308.	2.0	24
1004	Modeling for Rapid Systems Prototyping: Hospital Situational Awareness System Design. <i>Systems</i> , 2021, 9, 12.	1.2	5
1005	Consumer acceptance of productâ€“service systems as alternative satisfiers of consumer needs for sustainable development. <i>Sustainable Development</i> , 2021, 29, 847-859.	6.9	5
1006	A typology of second-hand business models. <i>Journal of Marketing Management</i> , 2021, 37, 761-791.	1.2	16
1007	Product-Service Systems and Sustainability: Analysing the Environmental Impacts of Rental Clothing. <i>Sustainability</i> , 2021, 13, 2118.	1.6	40
1008	Threeâ€“dimensional product circularity. <i>Journal of Industrial Ecology</i> , 2021, 25, 824-833.	2.8	21
1009	The â€œIntrinsic Valueâ€“of Cultural Heritage as Driver for Circular Human-Centered Adaptive Reuse. <i>Sustainability</i> , 2021, 13, 3231.	1.6	34
1010	Characterisation and Environmental Value Proposition of Reuse Models for Fast-Moving Consumer Goods: Reusable Packaging and Products. <i>Sustainability</i> , 2021, 13, 2609.	1.6	27
1011	From data to value: conceptualising data-driven product service system. <i>Production Planning and Control</i> , 2023, 34, 207-223.	5.8	18
1012	An agent-based approach to quantify the uncertainty in Product-Service System contract decisions: A case study in the machine tool industry. <i>International Journal of Production Economics</i> , 2021, 233, 108014.	5.1	13
1013	Process characteristics of Product-Service Systems development: Comparison of seven manufacturing company cases. <i>Journal of Cleaner Production</i> , 2021, 286, 124971.	4.6	6
1014	Influencing mechanism of strategic flexibility on corporate performance: the mediating role of business model innovation. <i>Asia Pacific Business Review</i> , 2021, 27, 470-492.	2.0	18
1015	Strategic Development of Product-Service Systems (PSS) through Archetype Assessment. <i>Sustainability</i> , 2021, 13, 2592.	1.6	6
1016	From Goods to Services and from Linear to Circular: The Role of Servitizationâ€™s Challenges and Drivers in the Shifting Process. <i>Sustainability</i> , 2021, 13, 4539.	1.6	14
1017	Multi-period lease contract for remanufactured products. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 2279-2289.	3.4	7
1018	The double-edged sword of servitization in radical product innovation: The role of latent needs identification. <i>Technovation</i> , 2022, 118, 102284.	4.2	7
1019	Sustainable product-service system hierarchical framework under uncertainties: The pharmaceutical industry in Ecuador. <i>Journal of Cleaner Production</i> , 2021, 294, 126188.	4.6	20
1020	Design Preconditions for Productâ€“Service Integration. <i>Designs</i> , 2021, 5, 29.	1.3	4

#	ARTICLE	IF	CITATIONS
1021	Business Model Experimentation for the Circular Economy: Definition and Approaches. <i>Circular Economy and Sustainability</i> , 2021, 1, 49.	3.3	35
1022	Digital Twin Providing New Opportunities for Value Co-Creation through Supporting Decision-Making. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3750.	1.3	40
1023	Leveraging User Preferences to Develop Profitable Business Models for Electric Vehicle Charging. <i>World Electric Vehicle Journal</i> , 2021, 12, 60.	1.6	1
1024	Role of customers in circular business models. <i>Journal of Business Research</i> , 2021, 127, 35-44.	5.8	55
1026	Theory development in servitization through the application of fsQCA and experiments. <i>International Journal of Operations and Production Management</i> , 2021, 41, 746-769.	3.5	20
1027	Exploring barriers to implementing product-service systems for home furnishings. <i>Journal of Cleaner Production</i> , 2021, 295, 126286.	4.6	11
1028	Green product preferences considering cultural influences: a comparison study between Malaysia and Indonesia. <i>Management of Environmental Quality</i> , 2021, 32, 1040-1063.	2.2	12
1029	Buy, lease, or share? Consumer preferences for innovative business models in the market for electric vehicles. <i>Technological Forecasting and Social Change</i> , 2021, 166, 120639.	6.2	43
1030	Prioritisation of modelling parameters of a free-floating car sharing system according to their sensitivity to the environmental impacts. <i>Journal of Cleaner Production</i> , 2021, 296, 126081.	4.6	1
1031	Circular economy, the transition of an incumbent focal firm: How to successfully reconcile environmental and economic sustainability?. <i>Business Strategy and the Environment</i> , 2021, 30, 3297-3308.	8.5	22
1032	A Thirty-Year Bibliometric Analysis on Servitization. <i>International Journal of Service Science, Management, Engineering, and Technology</i> , 2021, 12, 73-95.	0.7	1
1033	What do we know about business strategy and environmental research? Insights from <i>Business Strategy and the Environment</i> . <i>Business Strategy and the Environment</i> , 2021, 30, 3454-3469.	8.5	93
1034	Generic Product Lifecycle Model: A Holistic and Adaptable Approach for Multi-Disciplinary Product-Service Systems. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4516.	1.3	11
1035	Proposition of an ontology to support product service systems of systems engineering. <i>Systems Engineering</i> , 2021, 24, 293-306.	1.6	5
1036	The tribes in the field of servitization: Discovering latent streams across 30 years of research. <i>Industrial Marketing Management</i> , 2021, 95, 70-84.	3.7	44
1037	The Basic Concept of Sustainability Marketing. , 2021, , 63-77.		0
1038	Research on product-service systems: topic landscape and future trends. <i>Journal of Manufacturing Technology Management</i> , 2021, 32, 208-238.	3.3	23
1039	Sustainable Product-Service Systems Customization: A Case Study Research in the Medical Equipment Sector. <i>Sustainability</i> , 2021, 13, 6624.	1.6	22

#	ARTICLE	IF	CITATIONS
1040	The circular economy in the water sector: Elements, processes, recommendations. Economic Analysis Theory and Practice, 2021, 20, 990-1013.	0.1	2
1041	Design Modeling for Value Co-creation in Manufacturing Companies. Transactions of Japan Society of Kansei Engineering, 2021, 19, 55-62.	0.1	0
1042	Sustainable Business Model Innovation: An Umbrella Review. Sustainability, 2021, 13, 7266.	1.6	32
1043	A Hybrid Neutrosophic-Grey Analytic Hierarchy Process Method: Decision-Making Modelling in Uncertain Environments. Mathematical Problems in Engineering, 2021, 2021, 1-18.	0.6	10
1044	Digitalization as a way forward: A bibliometric analysis of 20 Years of servitization research. Journal of Cleaner Production, 2021, 300, 126943.	4.6	25
1045	Developing a personalized recommendation system in a smart product service system based on unsupervised learning model. Computers in Industry, 2021, 128, 103421.	5.7	62
1046	Digital Productâ€“Service Innovation and Sustainability: A Multiple-Case Study in the Capital Goods Industry. Sustainability, 2021, 13, 6342.	1.6	9
1047	A Bibliometric Analysis of Product-Service Systemsâ€™ Design Methodologies: Potential Root-Cause Identification of PSSâ€™ Failures. Sustainability, 2021, 13, 6237.	1.6	6
1048	Maintenance service strategy for leased equipment: Integrating lessor-preventive maintenance and lessee-careful protection efforts. Computers and Industrial Engineering, 2021, 156, 107257.	3.4	7
1049	Circular economy as a driver to sustainable businesses. Cleaner Environmental Systems, 2021, 2, 100006.	2.2	78
1050	DIGITAL TRANSFORMATION TYPES FOR PRODUCT-SERVICE SYSTEMS. Proceedings of the Design Society, 2021, 1, 1283-1292.	0.5	0
1051	DEVELOPING THE MATERIAL-SERVICE SYSTEM CONCEPT: A CASE STUDY OF STEEL INDUSTRIAL DRUMS. Proceedings of the Design Society, 2021, 1, 1223-1232.	0.5	2
1052	The promotion of innovative service business models through public procurement. An analysis of Energy Service Companies in Spain. Sustainable Production and Consumption, 2021, 27, 1857-1868.	5.7	13
1053	LIFE PHASES MODULARISATION OF PRODUCT-SERVICE SYSTEMS. Proceedings of the Design Society, 2021, 1, 1967-1976.	0.5	4
1054	Consumer emotions and collaborative consumption: The effect of COVID-19 on the adoption of use-oriented product-service systems. Sustainable Production and Consumption, 2021, 27, 1569-1588.	5.7	23
1055	AN EVALUATION METHOD FOR BUSINESS MODELS IN PRODUCT-SERVICE SYSTEMS DESIGN. Proceedings of the Design Society, 2021, 1, 427-436.	0.5	0
1056	Toward Servitized Research: An Integrated Approach for Sustainable Product-Service Innovation. Sustainability, 2021, 13, 8422.	1.6	3
1057	How virtual social capital affects behavioral intention of sustainable clothing consumption pattern in developing economies? A case study of China. Resources, Conservation and Recycling, 2021, 170, 105616.	5.3	38

#	ARTICLE	IF	CITATIONS
1058	Exploring Servitization in Industrial Construction: A Sustainable Approach. Sustainability, 2021, 13, 8002.	1.6	6
1059	A FMEA Based Method for Analyzing and Prioritizing Performance Risk at the Conceptual Stage of Performance PSS Design. Proceedings of the Design Society, 2021, 1, 81-90.	0.5	0
1060	PSS-FMEA: TOWARDS AN INTEGRATED FMEA METHOD TO SUPPORT THE DEVELOPMENT OF PRODUCT-SERVICE SYSTEMS IN SMES. Proceedings of the Design Society, 2021, 1, 2501-2510.	0.5	3
1061	EVALUATING PROTOTYPING SUPPORT IN EARLY TRANSFORMATIVE PSS DESIGN. Proceedings of the Design Society, 2021, 1, 1411-1420.	0.5	0
1062	Evaluating the interactions of multi-dimensional value for sustainable product-service system with grey DEMATEL-ANP approach. Journal of Manufacturing Systems, 2021, 60, 449-458.	7.6	31
1063	Business model patterns in the sharing economy. Sustainable Production and Consumption, 2021, 27, 1650-1671.	5.7	31
1064	INVESTIGATING DRIVERS AND BARRIERS FOR THE DEVELOPMENT OF PRODUCT-SERVICE SYSTEMS IN CAPITAL GOODS MANUFACTURING COMPANIES. Proceedings of the Design Society, 2021, 1, 1927-1936.	0.5	1
1065	A history-based framework of servitization and deservitization. International Journal of Operations and Production Management, 2021, 41, 723-745.	3.5	18
1066	Using MBSE for the Enhancement of Consistency and Continuity in Modular Product-Service-System Architectures. Systems, 2021, 9, 63.	1.2	5
1067	A study related to product service systems (PSS), SERVQUAL and knowledge management system (KMS) " A review. Materials Today: Proceedings, 2021, , .	0.9	1
1068	A bespoke PSS development roadmap for construction OEMs. Sadhana - Academy Proceedings in Engineering Sciences, 2021, 46, 1.	0.8	2
1069	Smart retrofitting in manufacturing: A systematic review. Journal of Cleaner Production, 2021, 312, 127555.	4.6	43
1070	Preparing for smart product-service system (PSS) implementation: an investigation into the Daimler group. Production Planning and Control, 2022, 33, 56-70.	5.8	14
1071	AI-based industrial full-service offerings: A model for payment structure selection considering predictive power. Decision Support Systems, 2021, 152, 113653.	3.5	1
1072	Consumer adoption of electric vehicles in alternative business models. Energy Policy, 2021, 155, 112338.	4.2	31
1073	Unsustainable business models " Recognising and resolving institutionalised social and environmental harm. Journal of Cleaner Production, 2021, 312, 127828.	4.6	82
1074	Perception value of product-service systems: Neural effects of service experience and customer knowledge. Journal of Retailing and Consumer Services, 2021, 62, 102617.	5.3	19
1075	Additive Manufacturing in the Clothing Industry: Towards Sustainable New Business Models. Applied Sciences (Switzerland), 2021, 11, 8994.	1.3	13

#	ARTICLE	IF	CITATIONS
1076	Life cycle analysis of electronic products for a product-service system. Journal of Cleaner Production, 2021, 314, 127926.	4.6	13
1077	A circularity-based quality assessment tool to classify the core for recovery businesses. International Journal of Production Research, 2022, 60, 5835-5853.	4.9	3
1078	Concept for a Complexity-Oriented Structuring of Corporate Value Networks for the Provision of Product-Service Systems. Lecture Notes in Production Engineering, 2022, , 675-683.	0.3	0
1080	Rented But MINE! Application of Psychological Ownership Theory to Access-Based Consumption and the Circular Economy. Circular Economy and Sustainability, 2021, 1, 719-744.	3.3	2
1082	Design concept evaluation of smart product-service systems considering sustainability: An integrated method. Computers and Industrial Engineering, 2021, 159, 107485.	3.4	45
1083	Product-service system leanness assessment model: study of a UK manufacturing company. International Journal of Lean Six Sigma, 2021, 12, 1046-1072.	2.4	3
1084	Service-oriented manufacturing: A literature review and future research directions. Frontiers of Engineering Management, 2022, 9, 71-88.	3.3	31
1085	A context-aware concept evaluation approach based on user experiences for smart product-service systems design iteration. Advanced Engineering Informatics, 2021, 50, 101394.	4.0	33
1086	Towards territorial product-service systems: A framework linking resources, networks and value creation. Sustainable Production and Consumption, 2021, 28, 1297-1313.	5.7	16
1087	Consumption Work in the circular economy: A research agenda.. Journal of Cleaner Production, 2021, 321, 128969.	4.6	38
1088	How can businesses drive sufficiency? The business for sufficiency framework. Sustainable Production and Consumption, 2021, 28, 1090-1103.	5.7	33
1089	Collaborative fashion consumption – A synthesis and future research agenda. Journal of Cleaner Production, 2021, 319, 128648.	4.6	32
1090	Transition pathway of consumer perception toward a sharing economy: Analysis of consumption value for behavioral transition to laundromats. Sustainable Production and Consumption, 2021, 28, 1708-1723.	5.7	4
1091	Product obsolescence and its relationship with product lifetime: An empirical case study of consumer appliances in Japan. Resources, Conservation and Recycling, 2021, 174, 105798.	5.3	10
1092	History and evolution of the circular economy and circular economy business models. , 2022, , 87-106.		6
1093	The contemporary research on circular economy in industry. , 2022, , 523-534.		0
1094	Exploring resource-service systems – Beyond product-service systems and toward configurations of circular strategies, business models, and actors. , 2022, , 127-144.		1
1095	Improving circular building under uncertainty and complexity: Exploring recent trends in the Netherlands. , 2022, , 337-357.		1

#	ARTICLE	IF	CITATIONS
1096	The Experiential Strategy to Behavior Change for New Services: Case Study of Uber in Taiwan. Journal of Service Science and Management, 2021, 14, 325-342.	0.4	0
1097	Evolvement of IT-driven product-service systems. , 2021, , 9-20.		0
1098	Towards Servitization: A Taxonomy of Industrial Product-Service Systems for Small- and Medium-Sized Manufacturers. , 2021, , 117-132.		0
1099	Business Model Archetypes. , 2021, , 75-90.		0
1100	Visual Conflict Framing in Public Transport Innovation. Intelligent Systems Reference Library, 2021, , 19-34.	1.0	0
1101	Design and Development of Sustainable Product Service Systems Based on Design-Centric Complexity. Sustainability, 2021, 13, 532.	1.6	9
1102	Introducing sharing-focused business models in the B2B context: comparing interaction and environmental sustainability for selling, renting and sharing on industrial markets. Journal of Business and Industrial Marketing, 2021, 36, 1864-1875.	1.8	14
1103	DomÅnenintegration. , 2021, , 245-286.		0
1104	Fundamentals of smart product-service system. , 2021, , 21-51.		1
1106	Product-Service Systems in the Digital Era: Deconstructing Servitisation Business Model Typologies. , 2021, , 73-87.		1
1109	Product lifespan: the missing link in servitization. Production Planning and Control, 2022, 33, 1372-1388.	5.8	24
1110	Enablers of Servitization Roles and Action Mechanism. Advances in Logistics, Operations, and Management Science Book Series, 2021, , 2321-2337.	0.3	0
1111	TwentyÅeight years of business strategy and the environment research: A bibliometric analysis. Business Strategy and the Environment, 2020, 29, 2572-2582.	8.5	47
1113	Engineering PSS (Product/Service Systems) Toward Sustainability:ReviewÅofÅResearch. , 2013, , 597-613.		4
1114	Towards an Operations Strategy for the Infusion of Product-Centric Services into Manufacturing. Service Science: Research and Innovations in the Service Economy, 2011, , 89-111.	1.1	7
1115	Servitization as Innovation in ManufacturingÅ”A Review of the Literature. , 2015, , 403-435.		17
1116	PSS Layer Method Å” Application to Microenergy Systems. , 2009, , 3-30.		39
1117	Circular Business Model Experimentation: Concept and Approaches. Smart Innovation, Systems and Technologies, 2019, , 239-250.	0.5	10

#	ARTICLE	IF	CITATIONS
1118	How Product Service System Can Disrupt Companies'™ Business Model. , 2019, , 175-205.		5
1119	Servitization of Biomass Processing for a Virtual Biorefinery: Application to the Lignocellulosic Biomass in a French Local Territory. IFIP Advances in Information and Communication Technology, 2019, , 477-486.	0.5	2
1120	A Dual Perspective Workflow to Improve Data Collection for Maintenance Delivery: An Industrial Case Study. IFIP Advances in Information and Communication Technology, 2019, , 485-492.	0.5	4
1121	Digital Servitization: The Next "Big Thing" in Manufacturing Industries. IFIP Advances in Information and Communication Technology, 2019, , 510-517.	0.5	13
1122	State-of-the-Art in Product-Service System Classification. Lecture Notes in Mechanical Engineering, 2020, , 187-200.	0.3	7
1123	The Role of Service Business Models in the Manufacturing of Transition Economies. IFIP Advances in Information and Communication Technology, 2020, , 299-306.	0.5	3
1124	New Business Models Elements Oriented to Product-Service Machinery Industry. Lecture Notes in Mechanical Engineering, 2013, , 1277-1289.	0.3	3
1125	Product-Service System Innovation: A Promising Approach to Sustainability. SpringerBriefs in Applied Sciences and Technology, 2014, , 17-40.	0.2	9
1126	Towards a Design Science-Driven Product-Service System Engineering Methodology. Lecture Notes in Computer Science, 2014, , 180-193.	1.0	5
1127	Servitization and Process Interfaces. , 2014, , 263-275.		1
1128	Adapting Products for Servitization. , 2014, , 295-313.		1
1129	The Impact of Servitization on Key Competences and Qualification Profiles in the Machine Building Industry. , 2014, , 315-330.		3
1130	Photocopier Industry: At the Forefront of Servitization. , 2014, , 23-43.		20
1131	The Automotive Industry: Heading Towards Servitization in Turbulent Times. , 2014, , 55-72.		11
1132	Launching an E-Carsharing System in the Polycentric Area of Ruhr. Green Energy and Technology, 2015, , 187-208.	0.4	3
1133	Visualization of Interactions Between Product and Service Lifecycle Management. IFIP Advances in Information and Communication Technology, 2015, , 575-582.	0.5	11
1134	Moving from a Product-Based Economy to a Service-Based Economy for a More Sustainable Future. Springer Series in Supply Chain Management, 2017, , 355-373.	0.5	6
1136	A New Perspective of Product-Service Business Models for Customized Manufacturing in Healthcare. , 2017, , 87-109.		2

#	ARTICLE	IF	CITATIONS
1137	Integration of Sustainability into the Corporate Strategy. Sustainable Production, Life Cycle Engineering and Management, 2017, , 175-200.	0.2	21
1138	Applying the Research on Product-Service Systems to Smart and Connected Products. Lecture Notes in Business Information Processing, 2017, , 311-319.	0.8	3
1139	Green Virtual Enterprise Breeding Environments Enabling the RESOLVE Framework. IFIP Advances in Information and Communication Technology, 2017, , 603-613.	0.5	4
1140	Technical Product-Service Systemsâ€”A Business Opportunity for Machine Industry. Lecture Notes in Mechanical Engineering, 2018, , 269-278.	0.3	4
1141	Sustainable Product-Service System (S.PSS). Green Energy and Technology, 2018, , 41-51.	0.4	3
1142	Value Creation in a Circular Economy: An Interdisciplinary Approach. Encyclopedia of the UN Sustainable Development Goals, 2020, , 1-15.	0.0	4
1143	Value Creation in a Circular Economy: An Interdisciplinary Approach. Encyclopedia of the UN Sustainable Development Goals, 2021, , 1107-1122.	0.0	5
1144	Exploring the Journey to Services. Service Science: Research and Innovations in the Service Economy, 2019, , 377-407.	1.1	5
1145	Integrating PSS Design Methods with Systems for Customer Value Management and Customer Satisfaction Management. , 2011, , 99-104.		3
1146	Towards Sustainability-Driven Innovation through Product-Service Systems. , 2011, , 117-122.		4
1147	Business Model Elements for Product-Service System. , 2011, , 332-337.		18
1148	Product-Service System Types and Implementation Approach. , 2012, , 43-48.		1
1149	Dealing with conflicting targets by using group decision making within PROMETHEE. Operations Research Proceedings: Papers of the Annual Meeting = Vorträge Der Jahrestagung / DGOR, 2012, , 115-120.	0.1	2
1151	Toward Product-Service System Engineering: New System Engineering for PSS Utilization. Lecture Notes in Production Engineering, 2013, , 27-40.	0.3	14
1155	Simulation Driven Design for Product-Service Systems. , 2013, , 465-470.		2
1158	CSR-Innovationen in kleinen und mittleren Unternehmen. Management-Reihe Corporate Social Responsibility, 2013, , 31-54.	0.1	7
1159	Servitization of the Manufacturerâ€™s Value Chain. IFIP Advances in Information and Communication Technology, 2013, , 234-241.	0.5	3
1160	Messung des Service Value innovativer Dienstleistungen in der Industrie â€” Eine integrierte Anbieter-Kunden-Perspektive. , 2014, , 91-113.		8

#	ARTICLE	IF	CITATIONS
1161	Integrationsansatz zum konzeptionellen Design von Product-Service Systems. , 2014, , 54-75.		2
1162	Vom Produkthersteller zum Serviceanbieter – Geschäftsmodelle der Servicetransformation. , 2015, , 133-146.		12
1163	Service Engineering – eine Standortbestimmung. , 2018, , 3-17.		3
1164	Digitale Geschäftsmodelle im Mittelstand – Status Quo, Chancen, Herausforderungen und Perspektiven. Forum Dienstleistungsmanagement, 2020, , 337-358.	1.0	1
1165	Lifecycle-Based Requirements of Product-Service System in Customer-Centric Manufacturing. IFIP Advances in Information and Communication Technology, 2014, , 435-444.	0.5	3
1166	Unternehmensplanspiel zur IPSS-spezifischen Kompetenzentwicklung von Mitarbeitern. , 2017, , 429-444.		1
1167	Wachstumsindifferenz: Generische Unternehmensstrategien für die Postwachstumsökonomie. Management-Reihe Corporate Social Responsibility, 2017, , 325-339.	0.1	3
1168	Hybrid Value Creation. , 2013, , .		6
1169	Service Innovation for Sustainability: Paths for Greening Through Service Innovation. Translational Systems Sciences, 2016, , 187-215.	0.2	22
1170	Bridging the Gap: From Open Innovation to an Open Product-Life-Cycle by Using Open-X Methodologies. Lecture Notes in Mechanical Engineering, 2013, , 1331-1343.	0.3	1
1171	Carbon Reduction Assessment of a Product Service System: A Case Study of Washing Machines. , 2012, , 998-1001.		2
1172	Integrated Product Service Engineering - Factors influencing environmental performance. , 2012, , 386-391.		6
1173	Design for the Value of Sustainability. , 2015, , 513-549.		5
1175	State-of-the-Art in Product-Service System Design. Lecture Notes in Mechanical Engineering, 2020, , 645-658.	0.3	6
1176	The Use of Product Life-Cycle Information in a Value Chain Including Remanufacturing. , 2013, , 621-626.		3
1178	Material Efficiency and Energy Use. , 2004, , 835-844.		6
1179	Services Extending Products: A Comparative Analysis in Emerging and Developed Countries. Procedia CIRP, 2017, 64, 127-132.	1.0	4
1180	Architecture and development approach for integrated cyber-physical production-service systems (CPPSS). Procedia CIRP, 2020, 90, 742-747.	1.0	5

#	ARTICLE	IF	CITATIONS
1182	A representation framework of product-service systems. <i>Design Science</i> , 2020, 6, .	1.1	10
1183	Environmental assessment of PSS, feedback on 20 years of experimentation. <i>Materiaux Et Techniques</i> , 2017, 105, 504.	0.3	4
1184	Digital dark matter within product service systems. <i>Competitiveness Review</i> , 2017, 27, 62-79.	1.8	13
1185	Integration of Scenarios in Product-service System Development - Combining Scenarios, Use Cases and Requirements Traceability. , 2018, , .		2
1186	DEVELOPING SMART SERVICES BY INTERNET OF THINGS IN MANUFACTURING BUSINESS. <i>DEStech Transactions on Engineering and Technology Research</i> , 2018, , .	0.0	8
1187	A DECISION SUPPORT TOOL FOR BUSINESS MODEL ANALYSIS. <i>International Journal of the Analytic Hierarchy Process</i> , 2018, 10, .	0.2	4
1188	Promoting Eco-innovations to Leverage Sustainable Development of Eco-industry and Green Growth. <i>European Journal of Sustainable Development (discontinued)</i> , 2013, 2, .	0.4	30
1189	PRODUCT-SERVICE SYSTEMS AS SUSTAINABLE ALTERNATIVES TO MOBILITY: A COMPARATIVE ANALYSIS OF TWO BIKE-SHARING SYSTEMS. <i>Brazilian Journal of Operations and Production Management</i> , 2016, 13, 264.	0.8	2
1190	A Study on the Core Competency for Product-Service System. <i>Productivity Review</i> , 2015, 29, 171-195.	0.0	2
1191	The Role of Digital Servitization in Transition Economy: An SNA Approach. <i>Tehnicki Vjesnik</i> , 2021, 28, .	0.3	4
1193	PRODUCT SERVICE SYSTEM DESIGN IN A SYSTEM OF SYSTEMS CONTEXT: A LITERATURE SURVEY. , 0, , .		12
1194	Servitization of manufacturing: survey in the Polish machinery sector. <i>Engineering Management in Production and Services</i> , 2020, 12, 20-33.	0.5	7
1195	Product-service systems benefits and barriers: an overview of literature review papers. <i>International Journal of Industrial Engineering and Management</i> , 2020, 11, 61-70.	1.0	22
1196	Servitization in manufacturing: role of antecedents and firm characteristics. <i>International Journal of Industrial Engineering and Management</i> , 2020, , 133-144.	1.0	18
1197	Transition pathways of e-mobility services. , 2015, , .		14
1199	The relationship between servitization and product-service system: insights from the literature. <i>Esperienze D Impresa</i> , 2018, , 29-51.	0.2	2
1202	Scenario-Based Analysis of IT Enterprises Servitization as a Part of Digital Transformation of Modern Economy. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1076.	1.3	27
1203	Building a Theoretical Framework for Corporate Sustainability. <i>Sustainability</i> , 2021, 13, 273.	1.6	17

#	ARTICLE	IF	CITATIONS
1204	THE CONCEPT OF PRODUCTS AND SERVICES INTEGRATION – ANALYSIS OF SCIENTIFIC PUBLICATIONS. Business, Management and Education, 2016, 14, 89-102.	1.7	2
1205	THE ROLE OF UMBRELLA AGREEMENTS IN ACHIEVING SUSTAINABILITY GOALS: ENERGY EFFICIENCY AT THE EMPIRE STATE BUILDING. Journal of Green Building, 2016, 11, 71-94.	0.4	1
1206	A Unified Model of Product Service Systems Representation. International Journal of Service Science, Management, Engineering, and Technology, 2013, 4, 58-72.	0.7	4
1207	Knowledge Space Concept and Its Application for Servitizing Manufacturing Industry. Journal of Service Science and Management, 2012, 05, 187-195.	0.4	17
1208	Organizational Factors to the Effectiveness of Implementing Servitization Strategy. Journal of Service Science and Management, 2013, 06, 177-185.	0.4	16
1209	Assessing the use of Product-Service Systems as a strategy to foster sustainability in an emerging context. Product Management & Development, 2014, 12, 99-113.	0.2	4
1210	Sustainability, Innovation and Entrepreneurship: Introduction to the Volume. , 2008, , .		5
1212	Generating New Product-Service System Concepts Using General Needs and Business System Evolution Patterns: A Furniture PSS Case. Industrial Engineering and Management Systems, 2016, 15, 181-195.	0.3	2
1213	Product-Service System : Current Status and Research Issues. Journal of Korean Institute of Industrial Engineers, 2011, 37, 234-247.	0.1	8
1214	Product-Service Systems for Influencing Customer Barriers and Customer Acceptance. Singaporean Journal of Business Economics and Management Studies, 2015, 3, .	0.1	8
1215	Industry 5.0 Transition for an Advanced Service Provision. SSRN Electronic Journal, 0, , .	0.4	6
1216	Exploring the Relationship between Sustainability, Resilience, and Purpose in the Context of Corporations: A Comprehensive Literature Review. SSRN Electronic Journal, 0, , .	0.4	3
1217	Becoming a Product-Service System Provider – A Maturity Model for Manufacturers. Lecture Notes in Information Systems and Organisation, 2021, , 169-184.	0.4	5
1218	Methodology for Structuring and Bundling Product-Service Systems. , 0, , .		1
1219	Kreislaufwirtschaft als gesellschaftspolitische Herausforderung. Gegenwartskunde, 2021, 70, 371-382.	0.1	0
1220	How can firms access bank finance for circular business model innovation?. Business Strategy and the Environment, 2021, 30, 2773-2795.	8.5	22
1221	Circular business model implementation: A capability development case study from the manufacturing industry. Business Strategy and the Environment, 2021, 30, 2745-2757.	8.5	34
1222	Consumer adoption of access-based product-service systems: The influence of duration of use and type of product. Business Strategy and the Environment, 2021, 30, 2796-2813.	8.5	33

#	ARTICLE	IF	CITATIONS
1223	How do companies measure and forecast environmental impacts when experimenting with circular business models?. Sustainable Production and Consumption, 2022, 29, 273-285.	5.7	36
1224	Creating value through product-service-software systems in institutionalized ecosystems â€“ The case of autonomous ships. Industrial Marketing Management, 2021, 99, 16-27.	3.7	7
1225	Business strategies for eco-innovation. , 2009, , 92-124.		0
1226	Dienstleistungs-basierte GeschÃ¤ftsmodelle fÃ¼r die Montage. ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb, 2009, 104, 627-631.	0.2	2
1227	Lebenszyklusmodelle hybrider WertschÃ¶pfung: Modellimplikationen und Fallstudie. , 2010, , 130-143.		8
1228	A preliminary analysis of product-service system (PSS) types and implementation. Product Management & Development, 2011, 9, 137-143.	0.2	0
1230	Systematic literature review on product-system services using bibliometric analysis: main journals, articles, authors and keywords. Product Management & Development, 2012, 10, 33-40.	0.2	1
1231	Pricing Integrated Customer Solutions. , 2012, , 174-190.		0
1232	Developing Knowledgeâ€“Intensive Productâ€“Service Systemsâ€“Interview Results from Finnish Manufacturing Companies. , 2012, , 531-542.		0
1233	B2B Behaviour Efficiency. , 2012, , .		0
1234	Enhancing Traditional Integrated Product Development Processes with PSS Practices for Sustainability. , 2012, , 357-362.		0
1235	Wissensgenerierung in hybriden LeistungsÃ¼ndeln. , 2012, , 191-215.		1
1236	Von Anforderungslisten zum konzeptionellen Design â€“ Funktionsbasierte Analyse von Anforderungen an Product-Service Systems. , 2013, , 96-113.		3
1237	Managing Partnership Uncertainty for Sustainable Services: A Conceptual Model. IFIP Advances in Information and Communication Technology, 2013, , 355-362.	0.5	2
1238	Clarifying Frontiers of PSS and Information and Communication Technologies. , 2013, , 441-446.		2
1239	Product Service Systems and Sustainable Consumption Toward Sustainability:Introduction. , 2013, , 543-547.		0
1240	Creating Effective Customer Solutions. , 2013, , 16-30.		0
1242	Servitization Investment Decisions and a Dynamic Stability Analysis Based on a Two-Sided Market Model. Journal of the Korean Operations Research and Management Science Society, 2013, 38, 159-178.	0.1	2

#	ARTICLE	IF	CITATIONS
1243	A Framework of the Convergent Service Development Process in the Public Sector : The Smart Transportation Card Service of Seoul City and the Call for Collaboration Case in Singapore. Journal of the Korea Society of IT Services, 2013, 12, 387-410.	0.0	1
1244	Business Models for Material Efficiency Services. Eco-efficiency in Industry and Science, 2014, , 193-216.	0.1	0
1246	Productâ€™Service Portfolio Configuration vs. Economic and Financial Results: An Empirical Analysis in the Italian Truck Industry. , 2014, , 125-132.		2
1248	EDIPS: Effective and Enjoyable Productâ€™Service System Design Education Through Active Thinking. , 2014, , 107-116.		2
1249	Innovationsprozess komplexer Produkt-Service Systeme. , 2014, , 1-13.		0
1251	Service Value als Werttreiber. , 2014, , .		2
1252	Towards a Framework for Analyzing and Evaluating Servitization Potential: Case Study of ENVIE Loire. Lecture Notes in Computer Science, 2014, , 135-142.	1.0	0
1253	Material Efficiency and Energy Use. , 2014, , .		0
1254	Servitization by Sector and Manufacturersâ€™™ Operational Departments: Lessons Learned. , 2014, , 333-349.		0
1255	Supporting Technical Customer Service Processes: A Design-Centered Approach. Lecture Notes in Computer Science, 2014, , 408-412.	1.0	1
1256	Dienstleistungs-basierte Geschäftsmodelle für entmaterialisierte Werkzeugmaschinen-systeme â€™ Entscheidungsbaummodellierung zur Bewertung flexibilitÄtsorientierter Dienstleistungen. , 2014, , 176-200.		1
1257	Produkt-Service-Systeme â€™ Ansätze, aktuelle Formen, Potenziale und Gestaltungshinweise. , 2014, , 303-320.		1
1258	Servitization as an Innovation Process: Identifying the Needs for Change. , 2014, , 179-189.		3
1260	Sustainability and Service. SpringerBriefs in Applied Sciences and Technology, 2015, , 31-48.	0.2	0
1261	Identification of Risks Related to Integrated Product Service Offerings of Rail Infrastructure: A Swedish Case. Decision Engineering, 2015, , 323-340.	1.5	1
1264	Social Implications of Introducing Innovative Technology into a Product-Service System: The Case of a Waste-Grading Machine in Electronic Waste Management. IFIP Advances in Information and Communication Technology, 2015, , 583-591.	0.5	0
1265	An Effect of Customer-Centered Management on Customer Happiness and Wealth: An Exploratory Case Study. Global Business Administration Review, 2015, 12, 199-222.	0.0	0
1267	DuctAirâ€™Service Innovation for Value Add. , 2016, , 211-230.		0

#	ARTICLE	IF	CITATIONS
1268	Aquamateâ€”Integrated Management for Water Supply Service. , 2016, , 335-349.		0
1269	From Selling Products to Providing User Oriented Product-Service Systems â€” Exploring Service Orientation in the German Machine and Plant Manufacturing Industry. IFIP Advances in Information and Communication Technology, 2016, , 280-290.	0.5	0
1270	Servicization of Product Lifecycle Management: Towards Service Lifecycle Management. IFIP Advances in Information and Communication Technology, 2016, , 321-331.	0.5	5
1271	Optimization Design Method of PSS Based on GA and QFD. Science Research, 2016, 4, 133.	0.2	0
1272	Meeting Triple Bottom Lines through Product Service Systems, Selling Purified Water Instead of Chemicals: An Extended Case Study. SSRN Electronic Journal, 0, , .	0.4	0
1273	GrundzÃ¼ge einer industriell-kollaborativen Wirtschaftsform. Quarterly Journal of Economic Research, 2016, 85, 65-80.	0.1	4
1274	A Study of Servitization Strategy for Electric Vehicles. Journal of Distribution Science, 2016, 14, 5-13.	0.4	2
1276	ProduktverstÃ¤ndnis im Wandel. , 2017, , 1-16.		4
1277	Product Service System Design and Implementation in a Customer Centric World. Communications in Computer and Information Science, 2017, , 139-157.	0.4	0
1278	Cooperation Experience-Prototypen zur WerkzeugunterstÃ¼tzung. , 2017, , 159-276.		0
1280	Issues in Service Marketing in Emerging Economies. Advances in Marketing, Customer Relationship Management, and E-services Book Series, 2017, , 130-143.	0.7	2
1281	Holistic Approach for Condition Monitoring in Industrial Product-Service Systems. Decision Engineering, 2017, , 151-164.	1.5	0
1282	IPSS-Regelung â€” Automatisierung des IPSS-Betriebs. , 2017, , 217-241.		0
1283	ROZWÃJ KONCEPCJI INTEGRACJI PRODUKTOWO- -USÅUGOWEJ (PRODUCT-SERVICE SYSTEMS). Modern Management Review, 2017, , .	0.1	1
1284	GeschÃ¤ftsmodellansÃ¤tze fÃ¼r Mini-/Mikro-KWK und intelligente Infrastrukturen. Energie in Naturwissenschaft, Technik, Wirtschaft Und Gesellschaft, 2017, , 161-204.	0.0	0
1285	Intellektuelles Kapital in Industriellen Produkt-Service Systemen (IPSS). , 2017, , 163-184.		1
1286	Die Beschaffung komplexer LÃ¶sungen: Eine experimentelle Analyse der Entscheidungen unter BerÃ¼cksichtigung ihres Erfahrungshintergrundes. , 2017, , 55-80.		1
1287	COLABORAÃ§ÃO CLIENTE-FORNECEDOR NO DESENVOLVIMENTO DE UM SISTEMA PRODUTO-SERVIÃ§O PARA REDE DE TELECOMUNICAÃ§ÃO. , 0, , .		0

#	ARTICLE	IF	CITATIONS
1288	EVALUATION OF INTERNET OF THINGS UTILIZATION IN PRODUCT-SERVICE SYSTEM CASES. , 0, , .		0
1290	OPERACIONALIZAÇÃO DA LOGÍSTICA REVERSA EM SOLUÇÕES CIRCULARES: MAPEAMENTO DAS RESPONSABILIDADES DOS STAKEHOLDERS. , 0, , .		0
1291	AMPLIAÇÃO DA ACESSIBILIDADE E SEGURANÇA DOMICILIAR PARA IDOSOS: UMA APLICAÇÃO DO DESIGN DE SERVIÇO. , 0, , .		0
1292	Service-Logic Rather than Product-Logic. , 2018, , 89-102.		0
1293	Industriell-kollaborative Wirtschaftsformen â€“ Verbreitung neuartiger Nutzungs- und Eigentumsmodelle im Verarbeitenden Gewerbe. , 2018, , 361-378.		1
1294	KURUMSAL SÄRDÖLEBİLİK KAVRAMI, STRATEJİK NEM VE SÄRDÖLEBİLİK PERFORMANSI İLÂK STRATEJİK Araştırma Dergisi, 2018, 9, 17-36.	0.1	17
1295	How does Service Business Development (really) take place? Strategy Configuration in Manufacturing Companies™ different Business Environments. , 2018, , 121-138.		0
1296	Aplicação de Design de Serviços para o desenvolvimento de produtos para a mobilidade no Campus Pampulha UFMG. , 0, , .		0
1297	Servitization in managerial literature: A content analysis. Mercati & Competitivit�, 2018, , 131-160.	0.1	0
1298	Product Service Systems for Social Manufacturing. Springer Series in Advanced Manufacturing, 2019, , 171-196.	0.2	2
1299	The innovation process in hospital services: a case study in an occupational therapy. Brazilian Journal of Operations and Production Management, 2018, 15, 322-329.	0.8	0
1300	Future Oriented Planning of Product-Service Systems. Lecture Notes in Electrical Engineering, 2019, , 299-309.	0.3	3
1301	Enterprises Servitization for an Efficient Industrial Management a Survey-Based Analysis. Lecture Notes on Data Engineering and Communications Technologies, 2019, , 201-216.	0.5	0
1303	Manufacturing & Service Systems Design in Advanced Information Network Environment. Journal of the Japan Society for Precision Engineering, 2018, 84, 825-829.	0.0	0
1304	Nachhaltiger IKT-Konsum durch Sharing Economy? Eine multimethodische Analyse. Edition HMD, 2019, , 283-296.	0.1	1
1305	Servitization in Train Transportation. Studies in Computational Intelligence, 2019, , 273-284.	0.7	0
1306	Emergence of Product-Service Systems. , 2019, , 209-232.		1
1307	Sustainability Strategies in German Small and Medium-Sized Companies. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
1308	How to Trigger the Strategic Advantage of Product Service Systems. , 2019, , 95-141.		1
1309	System of Systems Modelling. , 2019, , 89-114.		1
1310	Translating PSS Strategy into Operations. , 2019, , 143-173.		0
1312	Industrial Product-Service System. , 2019, , 950-955.		1
1314	Sharing Economy from the Perspective of Life Cycle Thinking. Journal of Life Cycle Assessment Japan, 2019, 15, 161-173.	0.0	0
1315	VerÄnderungen der Ertragsmodelle durch digitale Produkt-Service-Systeme am Beispiel dormakaba. , 2019, , 53-71.		0
1316	Product-Service Systems Lifecycle Management in Industry: Interests and Exploited Data. IFIP Advances in Information and Communication Technology, 2019, , 389-398.	0.5	1
1317	Leistungskonfiguration zur Vermarktung gebrauchter Traktionsbatterien. , 2019, , 287-304.		0
1318	The New Role of Client: From Ownership to Value Co-creation. , 2019, , 31-54.		0
1319	Le passage Ä une Ä©conomie de serviceÄ: des gains Ä©conomiques et environnementaux?. L'ActualitÄ© Ä©conomique, 2017, 93, 559-588.	0.1	0
1320	Co-creation in conventional and collaborative businesses. Estudios Gerenciales, 0, , .	0.5	2
1321	The influence of Servitization Decision Factors on the Performance of SMEs : Focused on the Mediating Effects of Servitization Competency. Journal of Society of Korea Industrial and Systems Engineering, 2019, 42, 49-61.	0.0	1
1322	Designing a business model to reduce CO2emissions from construction machinery: Aligning business and environmental objectives. International Journal of Construction Supply Chain Management, 2019, 9, 1-19.	0.3	1
1323	Fashion Libraries as a Means for Sustainability EducationÄ”An Exploratory Case Study of AdolescentsÄ™ Consumer Culture. Journal of Education for Sustainable Development, 2019, 13, 129-151.	0.8	3
1324	Is Circular Economy a New Driver to Sustainability?. Springer Proceedings in Business and Economics, 2020, , 1123-1129.	0.3	0
1325	Design da Terra: ProduÃ§Ã£o de objetos a partir da induÃ§Ã£o de plantas. , 0, , .		0
1326	Sustentabilidade vem de berÃ§o: aceitaÃ§Ã£o de um serviÃ§o ecoeficiente para a composiÃ§Ã£o do quarto infantil. , 0, , .		0
1327	SOLUÃ§Ã£O PSS PARA TRATAMENTO DO LIXO ORGÃNICO DOMÉSTICO COMO ALTERNATIVA PARA MUNICÍPIOS PEQUENOS CUMPRIREM AS METAS DA POLÍTICA NACIONAL DE RESÍDUOS SÃLIDOS (PNRS). , 0, , .		0

#	ARTICLE	IF	CITATIONS
1328	CARACTERIZAÇÃO DO PRÁTICO-DESENVOLVIMENTO DO PSS: ESTUDO DE CASOS EM EMPRESAS FABRICANTES DE EQUIPAMENTOS MÓDICO-HOSPITALARES. , 0, , .		0
1329	MODELO DE NEGÓCIO DE SISTEMAS PRODUTO-SERVIÇO: UMA ANÁLISE DA LITERATURA. , 0, , .		0
1330	Conceptualization and Operationalization of in the. , 2020, , 173-180.		0
1331	Prospecção no uso de aplicativos acessíveis Inteligentes: Estudo de dispositivos móveis no serviço de carros compartilhados para pessoas cegas. , 0, , .		0
1332	DESENVOLVIMENTO DE UM SISTEMA PRODUTO-SERVIÇO EM UMA FABRICANTE DE PRÁTICO-MOLDADOS DE CONCRETO. , 0, , .		0
1333	VALOR PERCEBIDO DE UM SISTEMA PRODUTO-SERVIÇO SUSTENTÁVEL NUMA EMPRESA DE BIKE SHARING. , 0, , .		0
1334	A heat waste recovery system via thermoelectric generator. Indonesian Journal of Electrical Engineering and Computer Science, 2019, 16, 586.	0.7	1
1335	Digitales und Services. , 2020, , 43-75.		0
1336	Co-creation of affordable and clean pumped irrigation for smallholders: lessons from Nepal and Malawi. Water Science and Technology: Water Supply, 2020, 20, 1368-1379.	1.0	1
1338	Agile Planung und Entwicklung von Produkt-Service Systemen. ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb, 2020, 115, 381-386.	0.2	0
1339	THE INFLUENCE OF LOGISTICS INNOVATIONS ON MANAGEMENT OF FREIGHT-TRANSPORTATION PROCESSES. Polish Journal of Management Studies, 2020, 21, 432-446.	0.3	2
1340	Conceptual and Operational Integration of Governance, Financing, and Business Models for Urban Nature-Based Solutions. Sustainability, 2021, 13, 11931.	1.6	9
1341	Consolidating Unorganised Retail Businesses through Digital Platforms: Implications for Achieving the UN Sustainable Development Goals. Sustainability, 2021, 13, 12031.	1.6	6
1343	Tools for the Variety-Oriented Product-Service System Design. Lecture Notes in Mechanical Engineering, 2022, , 798-806.	0.3	1
1344	Considerations on Investment and Business Models. Lecture Notes in Mechanical Engineering, 2021, , 10-21.	0.3	0
1345	Servitization and the Management of Engineered Assets. Lecture Notes in Mechanical Engineering, 2021, , 3-9.	0.3	0
1346	Distributed manufacturing as an opportunity for service growth in logistics firms. Supply Chain Management, 2021, 26, 307-322.	3.7	5
1348	Transitioning services to result-oriented Product-Service Systems: a mechatronic-based approach. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
1349	A TOGAF-based Framework for the Development of Sustainable Product-Service Systems. <i>Procedia Manufacturing</i> , 2021, 55, 274-281.	1.9	4
1350	Methods and tools for the development of a Product-Service System: a holistic perspective. <i>Brazilian Journal of Operations and Production Management</i> , 2022, 19, e20221227.	0.8	1
1351	Product-Service Systems at a Glance. <i>Communications in Computer and Information Science</i> , 2020, , 61-84.	0.4	0
1352	Transparenter, schneller und effizienter – Wie datenbasierte Dienstleistungen zu Prozessinnovationen im Behaviormanagement führen. , 2020, , 373-412.		0
1353	The Impact of Digitalization on Product-Service System Development in the Manufacturing Industry. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 873-880.	0.3	0
1356	DEVELOPMENT OF PRODUCT-SERVICE SYSTEM BUSINESS MODEL: a study at Mercedes-Benz Brazil. , 0, , .		0
1357	Modelo metodológico de diseño de sistemas producto-servicio (M.M.SPS) en el contexto empresarial colombiano : una investigación desde el diseño.. <i>Kepes</i> , 2020, 17, 459-492.	0.1	1
1358	Kreislaufwirtschaft: Verlangsamung der Rohstoffströme und Erhöhung der Wertschöpfung. , 2020, , 135-149.		1
1360	An Axiomatic Design Framework of Sustainable Product-Service Systems for Circular Economies. <i>Studies in Systems, Decision and Control</i> , 2020, , 135-150.	0.8	0
1361	Research on Design of Shared Bicycle Service System Based on Kansei Engineering. <i>Communications in Computer and Information Science</i> , 2020, , 704-713.	0.4	1
1362	A Framework to Support Value Co-creation in PSS Development. <i>IFIP Advances in Information and Communication Technology</i> , 2020, , 361-368.	0.5	2
1363	Trends und Entwicklungen. , 2020, , 285-394.		0
1364	Application of System Dynamics for Holistic Product-Service System Development. <i>Procedia Manufacturing</i> , 2020, 52, 209-214.	1.9	1
1365	Value Changes during Service Delivery. , 2021, , .		0
1366	Luxury Ethical Consumers: Who Are They?. <i>Journal of Business Ethics</i> , 2023, 183, 805-838.	3.7	7
1367	Scientific Approach to Services: What is the Design of Services?. , 2008, , 25-30.		2
1368	A Strategic Design Guideline for Open Business Models. <i>International Journal of Automation Technology</i> , 2020, 14, 678-689.	0.5	5
1369	Ontological Descriptions for Integrating Design Information of Product-Service Systems. <i>International Journal of Automation Technology</i> , 2020, 14, 690-699.	0.5	0

#	ARTICLE	IF	CITATIONS
1371	Data quality as an antecedent for commercial viability of circular economy business models: a case study. IOP Conference Series: Earth and Environmental Science, 2020, 588, 022059.	0.2	2
1373	Sustainable Business Models. Encyclopedia of the UN Sustainable Development Goals, 2021, , 963-975.	0.0	6
1375	Time Axis Design as an EcoDesign Method. Sustainable Production, Life Cycle Engineering and Management, 2021, , 19-31.	0.2	0
1376	Productâ€™Service Systems Applied to Reusable Packaging Systems: A Strategic Design Tool. Design Management Journal, 2020, 15, 15-32.	0.4	3
1377	Realizing New Data-Driven Business Models by Launching Containers into the Cloud. Future of Business and Finance, 2021, , 155-170.	0.3	0
1378	Conceptual Use Cases for Integrating Artificial Intelligence in Cyber-Physical Twins. Procedia CIRP, 2021, 104, 1901-1906.	1.0	0
1379	Risky business? Shareholder value effects of service provision. International Journal of Production Economics, 2022, 244, 108369.	5.1	1
1380	Prioritising low-risk and high-potential circular economy strategies for decarbonisation: A meta-analysis on consumer-oriented product-service systems. Renewable and Sustainable Energy Reviews, 2022, 155, 111858.	8.2	18
1381	A hypergraph-based approach for context-aware smart product-service system configuration. Computers and Industrial Engineering, 2022, 163, 107816.	3.4	26
1382	Circular Economy as a Catalyst for Progress towards the Sustainable Development Goals: A Positive Relationship between Two Self-Sufficient Variables. Sustainability, 2021, 13, 12652.	1.6	29
1383	Growing-Service Systems: New Business Models for Modular Urban-Vertical Farming. Frontiers in Sustainable Food Systems, 2021, 5, .	1.8	11
1384	Circular Project Selection: How Companies Can Evaluate Circular Innovation Projects. Sustainability, 2021, 13, 12407.	1.6	3
1385	A novel neutrosophic set based hierarchical challenge analysis approach for servicizing business models: A case study of car share service network. Computers and Industrial Engineering, 2022, 163, 107795.	3.4	11
1386	Circular Business Models for Remanufacturing in the Electric Bicycle Industry. Frontiers in Sustainability, 2021, 2, .	1.3	7
1387	Dilemmas of the Sharing Economy in the Age of Access. OrganizaÃ§Ãµes & Sociedade, 2021, 28, 806-829.	0.1	0
1388	Dilemas da economia da partilha na era do acesso. OrganizaÃ§Ãµes & Sociedade, 2021, 28, 806-829.	0.1	0
1390	Relationship between sustainability, purpose, and resilience in the context of corporations: a conceptual framework. SSRN Electronic Journal, 0, , .	0.4	0
1392	Value Co-creation in the Context of Digitally-Enabled Product-Service Systems. IFIP Advances in Information and Communication Technology, 2021, , 337-344.	0.5	3

#	ARTICLE	IF	CITATIONS
1393	Smart Product Service System: Process Value Model in the Framework 3DCE. IFIP Advances in Information and Communication Technology, 2021, , 494-505.	0.5	0
1394	Product-Service Systems: A customer engagement perspective in the fashion industry. Journal of Cleaner Production, 2022, 336, 130394.	4.6	21
1395	Capabilities of digital servitization: Evidence from the socio-technical systems theory. Technological Forecasting and Social Change, 2022, 176, 121361.	6.2	39
1396	Digital servitization and new sustainable configurations of manufacturing systems. Technological Forecasting and Social Change, 2022, 176, 121441.	6.2	31
1397	A scoping review of design for circularity in the electrical and electronics industry. Resources, Conservation & Recycling Advances, 2022, 13, 200064.	1.1	4
1398	Strategic planning of product-service systems: A systematic literature review. Journal of Cleaner Production, 2022, 338, 130528.	4.6	15
1399	Digital Product-Service Systems: The Role of Data in the Transition to Servitization Business Models. Sustainability, 2022, 14, 1303.	1.6	30
1400	Value Leakage in Product-Service System Provision: A Business Model Alignment Perspective. IEEE Transactions on Engineering Management, 2024, 71, 940-951.	2.4	3
1401	Achieving sustainability in sharing-based product service system: A contingency perspective. Journal of Cleaner Production, 2022, 332, 129997.	4.6	17
1402	Facades-as-a-Service: a business and supply-chain model for the implementation of a circular facade economy. , 2022, , 541-558.		1
1403	Circular economy and resilience: A research agenda. Business Strategy and the Environment, 2022, 31, 2754-2765.	8.5	58
1404	Evolution of Servitization: new business model opportunities. International Journal of Production Management and Engineering, 2022, 10, 77-90.	0.8	3
1405	Interactions of governmental policies and business models for a circular economy: A systematic literature review. Journal of Cleaner Production, 2022, 337, 130329.	4.6	29
1406	The impact of supply chain finance on corporate social responsibility and creating shared value: a case from the emerging economy. Supply Chain Management, 2023, 28, 324-346.	3.7	32
1407	Morphology for circular economy business models in the electrical and electronic equipment sector of Singapore and South Korea: Findings, implications, and future agenda. Sustainable Production and Consumption, 2022, 30, 829-850.	5.7	10
1408	From servitization to digital servitization: How digitalization transforms companies' transition towards services. Industrial Marketing Management, 2022, 102, 104-121.	3.7	63
1409	Data-driven value creation in Smart Product-Service System design: State-of-the-art and research directions. Computers in Industry, 2022, 137, 103606.	5.7	31
1411	Intelligent Machinery Product Service Blueprint Development and Verification: An Empirical Study of Machine Tool Industry. IEEE Access, 2022, 10, 19796-19811.	2.6	3

#	ARTICLE	IF	CITATIONS
1412	The micro foundations of social media use: Artificial intelligence integrated routine model. Journal of Business Research, 2022, 144, 80-92.	5.8	15
1413	A review of business models for access to affordable and clean energy in Africa: Do they deliver social, economic, and environmental value?. Energy Research and Social Science, 2022, 88, 102530.	3.0	28
1414	Product Returns: An Opportunity to Shift towards an Access-Based Economy?. Sustainability, 2022, 14, 410.	1.6	5
1416	A pricing system for machine tools offered as result-oriented Product-Service System. Procedia CIRP, 2022, 105, 625-630.	1.0	1
1417	Life cycle cost impact of maintenance networks for product-service system fleets. Procedia CIRP, 2022, 105, 525-529.	1.0	0
1418	Overview for Leasing or Buying Decisions in Industrial Asset Management. Lecture Notes in Mechanical Engineering, 2022, , 115-125.	0.3	0
1419	Case Study Research to Foster the Optimization of Supply Chain Management through the PSS Approach. Sustainability, 2022, 14, 2235.	1.6	10
1420	Object Identification Technologies as Key Enabler for Circular Business Models. Chemie-Ingenieur-Technik, 2022, 94, 479-492.	0.4	2
1421	Expansion of servitization in the energy sector and its implications. Wiley Interdisciplinary Reviews: Energy and Environment, 2022, 11, .	1.9	2
1422	Interplay between servitization and platforms: a longitudinal case study. International Journal of Operations and Production Management, 2022, 42, 471-499.	3.5	10
1423	Characterizing and Defining of Designing Sustainable Product-Service Systems Applied to Distributed Water-Energy-Food Nexus. Frontiers in Environmental Science, 2022, 10, .	1.5	1
1424	Exploring the value of IoT data as an enabler of the transformation towards servitization: an action design research approach. European Journal of Information Systems, 2023, 32, 735-761.	5.5	7
1425	Achieving Circularity through Novel Product-Service Systems in the Mining Industry: An Opportunity for Circularity. Sustainability, 2022, 14, 3614.	1.6	4
1426	The Use of Business Model Canvas in the Design and Classification of Product-Service Systems Design Methods. Sustainability, 2022, 14, 4283.	1.6	10
1427	Which consumer psychological factors influence the lifetime of consumer electronic products? A case study of personal computers in Japan. Waste Management, 2022, 144, 233-245.	3.7	3
1428	How do companies launch circular service business models in different countries?. Sustainable Production and Consumption, 2022, 31, 591-602.	5.7	6
1429	Factors and actions for the sustainability of the residential sector. The nexus of energy, materials, space, and time use. Renewable and Sustainable Energy Reviews, 2022, 161, 112388.	8.2	6
1430	Product-service systems and circular supply chain practices in UK SMEs: The moderating effect of internal environmental orientation. Journal of Business Research, 2022, 146, 155-165.	5.8	10

#	ARTICLE	IF	CITATIONS
1431	Capabilities for the internet of things enabled product-service system business models. Technology Analysis and Strategic Management, 0, , 1-17.	2.0	5
1432	Business Models and Product-Service System Design - Introducing the Business Model Graph. , 2021, , .		4
1433	Emerging Branding Strategies and Value Creation Through Product Service System in SMEs. , 0, , .		0
1434	Open Circular Innovation: How Companies Can Develop Circular Innovations in Collaboration with Stakeholders. Sustainability, 2021, 13, 13456.	1.6	16
1435	Enabling Circular Fashion Through Product Life Extension. Sustainable Textiles, 2022, , 21-40.	0.4	4
1436	Product service supply chain network competition: an equilibrium with multiple tiers and members. International Journal of Production Research, 0, , 1-18.	4.9	5
1437	Equipment upgrade service provision in the context of servitization: drivers, capabilities, and resources. Production Planning and Control, 2024, 35, 187-205.	5.8	9
1438	Sustainable anti-consumption of clothing: A systematic literature review. Cleaner and Responsible Consumption, 2022, 5, 100061.	1.6	7
1441	Nested Lifecycles-Improving the Visibility of Product Lifespans in Smart Factories. , 2022, 2, .		3
1442	How to charge in servicizing: Per period or per use?. European Journal of Operational Research, 2023, 304, 981-996.	3.5	5
1443	Barriers to access-based consumption in the circular transition: A systematic review. Resources, Conservation and Recycling, 2022, 184, 106364.	5.3	9
1444	Marine plastic entrepreneurship; Exploring drivers, barriers and value creation in the blue economy. , 2022, 1, 100018.		11
1445	Constructing an Innovative Design Model by Design Thinking to Evaluate New Product Development Effectiveness of Product-service System. Universal Journal of Management, 2014, 2, 125-132.	0.2	0
1446	Servitization: A State-of-the-Art Overview and Future Directions. , 2022, , 169-200.		12
1447	Usage-based leasing of complex manufacturing systems: A method to transform current ownership-based into pay-per-use business models. Procedia CIRP, 2022, 107, 1238-1244.	1.0	5
1448	Industry 4.0 and the Emergent Business Models. Future of Business and Finance, 2022, , 119-210.	0.3	3
1449	Configuration optimization of service solution for smart product service system under hybrid uncertain environments. Advanced Engineering Informatics, 2022, 52, 101632.	4.0	9
1450	Designing PSS Fleets â€“ Consideration of the Product Architecture. Proceedings of the Design Society, 2022, 2, 1109-1118.	0.5	0

#	ARTICLE	IF	CITATIONS
1451	A Product-Service System for Safety Footwear. Proceedings of the Design Society, 2022, 2, 1031-1040.	0.5	1
1452	Servitization maturity model: developing distinctive capabilities for successful servitization in manufacturing companies. Journal of Manufacturing Technology Management, 2022, 33, 61-87.	3.3	13
1453	Revisiting the servitization-sustainability link: A case study in the professional printing supply chain. Cleaner Logistics and Supply Chain, 2022, 4, 100061.	3.1	5
1454	Designing Industrial Product-Service System (PSS) Pilot Projects in Manufacturing Companies: A Proposed Process for Product and Customer Selection. Proceedings of the Design Society, 2022, 2, 1119-1128.	0.5	0
1455	Digital Twins and Product-Service Systems: A Synergy with Challenges and Opportunities. Proceedings of the Design Society, 2022, 2, 1639-1648.	0.5	3
1456	Transformation Towards Product-Service Systems at the Example of the Wood-Processing Industry. Proceedings of the Design Society, 2022, 2, 2433-2442.	0.5	0
1457	Towards a Product Service System Framework for Lower Limb Prosthetic Devices. Proceedings of the Design Society, 2022, 2, 1341-1350.	0.5	1
1458	Towards a framework to design product service system-based mobile phone waste management: A social media data analysis perspective. International Journal of Computer Integrated Manufacturing, 2023, 36, 260-288.	2.9	1
1459	PSS Value Transformation: From Mass-Manufactured Vehicles to Provision of Mass-Customized Services – A Case Study of Designing and Prototyping Customized Digital Services for SAIC Motor in China. Proceedings of the Design Society, 2022, 2, 1179-1188.	0.5	0
1460	Dealing with privacy concerns in product-service system selling: Value-based selling as fair treatment practice. Industrial Marketing Management, 2022, 105, 60-71.	3.7	4
1461	Circular Economy strategies for concrete: implementation and integration. Journal of Cleaner Production, 2022, 362, 132486.	4.6	54
1462	Triple Bottom Line impacts of traditional Product-Service Systems models: Myth or truth? A Natural Language Understanding approach. Environmental Impact Assessment Review, 2022, 96, 106819.	4.4	6
1463	Estado da Arte sobre o uso de Big Data no Design: Perspectiva de Sistemas Produtos + Serviços Sustentáveis. DAT Journal, 2021, 6, 229-244.	0.1	1
1464	Industry 4.0: Agile Development and Production with Internet of Production. , 2022, , 367-390.		1
1465	A study of the rebound effect on the product-service system: Why should it be a top priority?. Procedia CIRP, 2022, 109, 257-262.	1.0	5
1466	Design Principles for Industrial Data-Driven Services. IEEE Transactions on Engineering Management, 2024, 71, 2379-2402.	2.4	0
1467	Extracting the relationship between product-service system features and their implementation barriers based on a literature review. Procedia CIRP, 2022, 109, 197-202.	1.0	4
1468	Towards Ecosystems with Smart Product-Service Systems. Procedia CIRP, 2022, 109, 221-226.	1.0	4

#	ARTICLE	IF	CITATIONS
1469	The potential of modular product design on repair behavior and user experience – Evidence from the smartphone industry. <i>Journal of Cleaner Production</i> , 2022, 367, 132770.	4.6	5
1470	Conceptual Modeling of Extended Collision Warning System from the Perspective of Smart Product-Service System. <i>Sensors</i> , 2022, 22, 4654.	2.1	3
1471	The rise of the digital service economy in European regions. <i>Industry and Innovation</i> , 2023, 30, 637-663.	1.7	11
1473	Perceived Values to Evaluate Smart Product-Service Systems of Smart Kitchen Appliances. <i>EMJ - Engineering Management Journal</i> , 2023, 35, 257-271.	1.4	3
1474	A paradox approach to sustainable product-service systems. <i>Industrial Marketing Management</i> , 2022, 105, 182-189.	3.7	6
1475	Toward a reference terminology for product-service systems in the manufacturing domain. <i>Computers in Industry</i> , 2022, 142, 103729.	5.7	2
1477	Movable Servitization – Contractual Liability in the B2C Relationship. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1480	Sistema produto-serviço voltado para a erradicação da fome e incentivo a agricultura sustentável. , 2021, 10, 082-094.		0
1481	Sustainable business models and innovation strategies to realize them: A review of 87 empirical cases. <i>Business Strategy and the Environment</i> , 2023, 32, 1357-1372.	8.5	12
1482	Digital platforms for food waste reduction: The value for business users. <i>Business Strategy and the Environment</i> , 2023, 32, 1373-1387.	8.5	10
1483	Design and Repair Strategies Based on Product-Service System and Remanufacturing for Value Preservation. <i>Sustainability</i> , 2022, 14, 8560.	1.6	0
1484	Sustainable Product Innovation and Consumer Communication. <i>Sustainability</i> , 2022, 14, 8395.	1.6	5
1485	Closed-loop systems to circular economy: A pathway to environmental sustainability?. <i>CIRP Annals - Manufacturing Technology</i> , 2022, 71, 505-528.	1.7	37
1486	Designing Business Models for the Bioeconomy: What are the major challenges?. <i>EFB Bioeconomy Journal</i> , 2022, 2, 100032.	1.1	16
1487	Investigating tensional knots in servitizing firms through communicative processes. <i>Industrial Marketing Management</i> , 2022, 105, 359-379.	3.7	7
1488	Context-awareness for the design of Smart-product service systems: Literature review. <i>Computers in Industry</i> , 2022, 142, 103730.	5.7	27
1489	Towards a novel Business, Environmental and Social Screening Tool for Product-Service Systems (BESST PSS) design. <i>Sustainable Production and Consumption</i> , 2022, 33, 454-465.	5.7	7
1491	Research Trends of Sustainability and Marketing Research, 2010-2020: Topic Modeling Analysis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
1492	THE PLATFORMISATION OF MANUFACTURING: TOWARDS A HOLISTIC PERSPECTIVE FOR SYSTEMATISING DIGITAL MANUFACTURING PLATFORMS. <i>International Journal of Innovation Management</i> , 0, , .	0.7	0
1493	Development of the Circular Product Readiness Method in Circular Design. <i>Sustainability</i> , 2022, 14, 9288.	1.6	3
1494	Key Factors Influencing Elderly Personsâ€™ Willingness to Rent Assistive Devices via a Product Service System. <i>Systems</i> , 2022, 10, 113.	1.2	1
1495	The circularity of product-service systems: the role of macro-, meso- and micro-level contextual factors. <i>International Journal of Operations and Production Management</i> , 2023, 43, 619-650.	3.5	8
1496	How can machine tool builders capture value from smart services? Avoiding the service and digitalization paradox. <i>Journal of Business and Industrial Marketing</i> , 2023, 38, 303-316.	1.8	5
1497	Complete LCA of battery electric and conventional fuel vehicles for freight trips. <i>Transportation Research, Part D: Transport and Environment</i> , 2022, 110, 103398.	3.2	5
1498	Achieving sustainable industrial ecosystems by design: A study of the ICT and electronics industry in Taiwan. <i>Journal of Cleaner Production</i> , 2022, 369, 133393.	4.6	6
1499	Understanding consumer lock-in mechanisms towards clothing libraries: A practice-based analysis coupled with the multi-level perspective. <i>Sustainable Production and Consumption</i> , 2022, 34, 342-352.	5.7	3
1500	Supply chains and ecosystems for servitization: a systematic review and future research agenda. <i>International Marketing Review</i> , 2023, 40, 667-692.	2.2	7
1501	Designing value-driven solutions: The evolution of industrial product-service systems. <i>CIRP Annals - Manufacturing Technology</i> , 2022, 71, 553-575.	1.7	29
1502	Subscription Business Models in the Manufacturing Field: Evidence from a Case Study. <i>IFIP Advances in Information and Communication Technology</i> , 2022, , 359-366.	0.5	1
1503	Governance Structures in Next Generation Manufacturing. <i>Contributions To Management Science</i> , 2022, , 55-73.	0.4	1
1504	The use of digital Product-Service Systems in manufacturing firms. <i>Journal of Engineering Management and Competitiveness</i> , 2022, 12, 57-64.	0.6	0
1505	Will They Like It? â€œ Understanding Customer Adoption of Connected Car Services within Automotive Aftersales. <i>Lecture Notes in Information Systems and Organisation</i> , 2022, , 103-117.	0.4	0
1506	The Hidden Value of Second-Hand Luxury: Exploring the Levels of Second-Hand Integration as Part of a Luxury Brandâ€™s Strategy. <i>Palgrave Advances in Luxury</i> , 2022, , 13-33.	0.2	3
1507	Sustainable Futures from an Engineering Systems Perspective. , 2022, , 141-163.		0
1508	Assessment of the quality of digital services provided by an e-learning platform focused on sustainability issues. <i>Production</i> , 0, 32, .	1.3	1
1509	Cognitive Digital Twin Enabling Smart Product-Services Systems: A Literature Review. <i>IFIP Advances in Information and Communication Technology</i> , 2022, , 77-89.	0.5	3

#	ARTICLE	IF	CITATIONS
1510	Future Trends in Digital Services and Products: Evidence from Serbian Manufacturing Firms. IFIP Advances in Information and Communication Technology, 2022, , 341-350.	0.5	0
1511	Proposal of an Inclusive User-centered Smart PSS Scenario and Integrated Platform using Service Blueprints: The Disabled and the Elderly. Archives of Design Research, 2022, 35, 197-229.	0.1	1
1512	Methodology for the Development of Value Propositions within Subscription Models. , 2022, , .		0
1513	Human-centered design for advanced services: A multidimensional design methodology. Advanced Engineering Informatics, 2022, 53, 101720.	4.0	12
1515	A Case Study on the Continuous Usage Intention of Artificial Intelligence Speaker in Product Service System Perspective. , 2022, , .		1
1516	The contribution of manufacturing companies to the achievement of sustainable development goals: An empirical analysis of the operationalization of sustainable business models. Business Strategy and the Environment, 2023, 32, 2490-2508.	8.5	14
1517	Understanding the Determinants and Motivations for Collaborative Consumption in Laundromats. Sustainability, 2022, 14, 11850.	1.6	1
1518	THE ROLE OF FIRM ALLIANCE PORTFOLIO DIVERSITY TO LEVERAGE SUSTAINABLE BUSINESS MODEL INNOVATION. International Journal of Innovation Management, 2022, 26, .	0.7	1
1519	Sustainable value propositions and customer perceived value: Clothing library case. Journal of Cleaner Production, 2022, 378, 134321.	4.6	20
1520	Circular business model innovation in consumer-facing corporations. Technological Forecasting and Social Change, 2022, 185, 122076.	6.2	13
1521	Impacts of Servitization Strategies on Ecosystem Leadership Development. Journal of Innovation Economics and Management, 2023, NÅ° 41, 151-180.	0.6	2
1522	On the Value of Data: Multi-Objective Maximization of Value Creation in Data-Driven Industrial Services. , 2022, , .		2
1523	A Taxonomy of Productâ€™Service System Perturbations through a Systematic Literature Review. Journal of Risk and Financial Management, 2022, 15, 443.	1.1	4
1524	Fashion-as-a-Service: Circular Business Model Innovation in Retail. Sustainability, 2022, 14, 13273.	1.6	0
1525	Evaluation of the Applicability of the Circular Economy and the Product-Service System Model in a Bearing Supplier Company. Sustainability, 2022, 14, 12834.	1.6	4
1526	Digitalization of manufacturing for implanting value, configuring circularity and achieving sustainability. Journal of Advances in Management Research, 2023, 20, 116-139.	1.6	8
1527	Independent User Circular Behaviors and Their Motivators and Barriers: A Review. Sustainability, 2022, 14, 13319.	1.6	2
1528	Enhancing servitization by international consumer integration: the influence of open innovation and co-creation. International Marketing Review, 2023, 40, 774-797.	2.2	4

#	ARTICLE	IF	CITATIONS
1529	Circular ecosystems: A review. , 2022, 3, 100031.		5
1530	Analysis of Factors Influencing the Choice between Ownership and Sharing: Qualitative and Quantitative Survey Results on Car Sharing Service Users Conducted in Japan. Sustainability, 2022, 14, 12886.	1.6	1
1531	Intra and inter-organizational paradoxes in product-service systems: Current insights and future research directions. Industrial Marketing Management, 2022, 107, A25-A31.	3.7	2
1532	Supply Chain Relationships in Circular Business Models: Supplier Tactics at Royal Smit Transformers. Logistics, 2022, 6, 77.	2.4	3
1533	Implications of data-driven product design: From information age towards intelligence age. Advanced Engineering Informatics, 2022, 54, 101793.	4.0	19
1534	Circular economy for cooling: A review to develop a systemic framework for production networks. Journal of Cleaner Production, 2022, 379, 134738.	4.6	2
1535	Circular economy strategies as enablers for solar PV adoption in organizational market segments. Sustainable Production and Consumption, 2023, 35, 40-54.	5.7	18
1536	Post-industrial, Post-pandemic? The Service Economy in the Wake of COVID-19. Science, Technology and Innovation Studies, 2022, , 95-128.	0.1	1
1537	Product-Service Systems for Circular Supply Chain Management: A Functional Approach. Sustainability, 2022, 14, 14953.	1.6	4
1538	The Application of Product-Service System in Telecommunications. Lecture Notes in Networks and Systems, 2023, , 329-342.	0.5	0
1539	Manufacturer go green: A typology of offerings and capability requirements. Industrial Marketing Management, 2022, 107, 423-432.	3.7	6
1540	Product-Service System design “ an example of the logistics industry. Archives of Transport, 2022, 63, 159-180.	0.4	3
1541	The impact of business sufficiency strategies on consumer practices: The case of bicycle subscription. Sustainable Production and Consumption, 2023, 35, 576-591.	5.7	3
1542	Stakeholder requirement evaluation of smart industrial service ecosystem under Pythagorean fuzzy environment for complex industrial contexts: A case study of renewable energy park. Advanced Engineering Informatics, 2023, 55, 101823.	4.0	5
1543	How do customers meet their needs in in-store and online fashion shopping? A comparative study based on the jobs-to-be-done theory. Journal of Retailing and Consumer Services, 2023, 71, 103221.	5.3	4
1544	Proposed Criteria to Design a Product-Service System Based Circular Business Model for the Apparel Industry. , 2021, , .		0
1545	Voraussetzungen erfolgreicher nachhaltiger Geschäftsmodelle. , 2022, , 335-464.		0
1546	Servitization for the Environment? The Impact of Data-Centric Product-Service Models. Journal of Management Information Systems, 2022, 39, 1146-1183.	2.1	4

#	ARTICLE	IF	CITATIONS
1547	Financing solutions for circular business models: Exploring the role of business ecosystems and artificial intelligence. <i>Business Strategy and the Environment</i> , 2023, 32, 3233-3248.	8.5	4
1548	Consumer perception of product-service systems: Depicting sector-specific barriers in the mobility, clothing and tooling sectors. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	2
1549	Use-oriented business model. <i>Corporate Social Responsibility and Environmental Management</i> , 2023, 30, 1314-1324.	5.0	4
1550	Green and sustainable business models: historical roots, growth trajectory, conceptual architecture and an agenda for future research – A bibliometric review of green and sustainable business models. <i>Scientometrics</i> , 2023, 128, 957-999.	1.6	2
1551	Application of Industrial Internet for Equipment Asset Management in Social Digitalization Platform Based on System Engineering Using Fuzzy DEMATEL-TOPSIS. <i>Machines</i> , 2022, 10, 1137.	1.2	5
1552	Redefining Circular Cities: Regulation, Governance, Infrastructure, and Technology. <i>Computer</i> , 2022, 55, 42-53.	1.2	0
1553	Smart and Resilient Transformation of Manufacturing Firms. <i>Processes</i> , 2022, 10, 2674.	1.3	13
1554	Servitization strategies: shortcomings and opportunities in offering products and services in the agricultural segment. <i>GEPROS: Gest�o Da Produ�o, Opera�es E Sistemas</i> , 2022, 17, 86-107.	0.0	0
1555	Servitization of SMEs: Focused on the Electrical Equipment and Metal Parts Manufacturers in South Korea. <i>Processes</i> , 2023, 11, 142.	1.3	2
1556	Risk assessment for circular business models: A fuzzy Delphi study application for composite materials. <i>Journal of Cleaner Production</i> , 2023, 389, 135722.	4.6	5
1557	An integrated circular economy model for transformation towards sustainability. <i>Journal of Cleaner Production</i> , 2023, 388, 135950.	4.6	8
1558	Barriers and Drivers for Changes in Circular Business Models in a Textile Recycling Sector: Results of Qualitative Empirical Research. <i>Energies</i> , 2023, 16, 490.	1.6	7
1559	Evolving Markets in the Circular Economy: A Network Analysis of Exemplary Company Cases. <i>Smart Innovation, Systems and Technologies</i> , 2023, , 98-109.	0.5	3
1560	History and Future of Manufacturing. , 2023, , 13-36.		2
1561	Sustainable Futures from an Engineering Systems Perspective. , 2023, , 1-23.		1
1562	Developing PSS business ecosystems in the digital era. <i>Industrial Marketing Management</i> , 2023, 109, 121-134.	3.7	5
1563	Reward-based crowdfunding for building a valuable circular business model. <i>Journal of Business Research</i> , 2023, 157, 113562.	5.8	4
1564	Product-service system negotiation in aircraft lease contracts with option of disagreement. <i>Journal of Air Transport Management</i> , 2023, 107, 102343.	2.4	8

#	ARTICLE	IF	CITATIONS
1565	Digital technology and business model innovation: A systematic literature review and future research agenda. <i>Technological Forecasting and Social Change</i> , 2023, 188, 122307.	6.2	56
1566	Which products are bought second-hand and by whom?: Analysis of consumer-preferred acquisition modes by product type. <i>Resources, Conservation and Recycling</i> , 2023, 190, 106860.	5.3	4
1567	An industrial equipment maintenance support system for networked collaborative evolution in the smart product service ecosystem. , 2022, , .		1
1568	Customer Experience Design for Smart Product-Service Systems Based on the Iterations of Experienceâ€œEvaluateâ€œEngage Using Customer Experience Data. <i>Sustainability</i> , 2023, 15, 686.	1.6	3
1569	Enterprise Servitization: Practical Guidelines for Culture Transformation Management. <i>Sustainability</i> , 2023, 15, 705.	1.6	4
1570	A Conceptual Blockchain Enhanced Information Model of Product Service Systems Framework for Sustainable Furniture. <i>Buildings</i> , 2023, 13, 85.	1.4	4
1571	Technology Design for a Sustainable Circular Economy: Research and Practice Consequences. , 2022, , 1-20.		1
1572	Customisation and co-creation: an evolving complexity. , 2023, , 169-189.		0
1573	Exploring How Digital Technologies Enable a Circular Economy of Products. <i>Sustainability</i> , 2023, 15, 2067.	1.6	13
1574	How Deep Learning Can Help in Regulating the Subscription Economy to Ensure Sustainable Consumption and Production Patterns (12th Goal of SDGs). <i>Advanced Technologies and Societal Change</i> , 2023, , 1-20.	0.8	3
1575	SUSTAINABLE FASHION FROM PRODUCT SERVICE SYSTEM PERSPECTIVE: A LITERATURE REVIEW. <i>J@ti Undip: Jurnal Teknik Industri</i> , 2023, 18, 33-41.	0.1	0
1576	Digital Servitization and Business Model Innovation in SMEs: A Model to Escape From Market Disruption. <i>IEEE Transactions on Engineering Management</i> , 2024, 71, 4619-4633.	2.4	22
1577	The quality of servitization inÂproject-oriented organizations. <i>International Journal of Quality and Reliability Management</i> , 2023, ahead-of-print, .	1.3	0
1578	SUSTAINABLE FASHION FROM PRODUCT SERVICE SYSTEM PERSPECTIVE: A LITERATURE REVIEW. <i>J@ti Undip: Jurnal Teknik Industri</i> , 2023, 1, 33-41.	0.1	0
1579	Benchmarking bike-sharing systems: an analysis of the sustainable potential of use-oriented solutions. <i>Benchmarking</i> , 2024, 31, 121-139.	2.9	0
1580	A Systems Perspective on Social Indicators for Circular Supply Chains. <i>Greening of Industry Networks Studies</i> , 2023, , 27-52.	0.7	0
1581	Artificial intelligence for sustainability: Facilitating sustainable smart product-service systems with computer vision. <i>Journal of Cleaner Production</i> , 2023, 402, 136748.	4.6	10
1582	The product-service system approach for housing in a circular economy: An integrative literature review. <i>Journal of Cleaner Production</i> , 2023, 403, 136845.	4.6	8

#	ARTICLE	IF	CITATIONS
1583	Hybrid offering configuration in servitization of manufacturing. <i>Expert Systems With Applications</i> , 2023, 224, 120028.	4.4	4
1584	A literature review and analytical framework of the sustainability of reusable packaging. <i>Sustainable Production and Consumption</i> , 2023, 37, 126-141.	5.7	10
1585	New Business Models and Logistical Considerations for Composites Re-use. , 2022, , 385-415.		0
1586	Can rental platforms contribute to more sustainable fashion consumption? Evidence from a mixed-method study. <i>Cleaner and Responsible Consumption</i> , 2023, 8, 100103.	1.6	0
1587	What drives demand for paid access to a sharing box with underused items? A choice experiment with Swedish consumers. <i>Journal of Cleaner Production</i> , 2023, 393, 135793.	4.6	3
1588	Defining and identifying strongly sustainable product-service systems (SSPSS). <i>Journal of Cleaner Production</i> , 2023, 391, 136295.	4.6	8
1590	Information and Communication Technologies in Logistics and Supply Chain Management in Turkey. <i>Advances in Human Resources Management and Organizational Development Book Series</i> , 2023, , 174-197.	0.2	2
1591	Inter-organizational tensions in servitization: A dialectic process model. <i>Industrial Marketing Management</i> , 2023, 109, 204-220.	3.7	4
1592	Barriers and opportunities of digital servitization for SMEs: the effect of smart Product-Service System business models. <i>Service Business</i> , 2023, 17, 359-393.	2.2	11
1593	Conceptualizing the potential of entrepreneurship to shape urban sustainability transformations. <i>Urban Transformations</i> , 2023, 5, .	1.5	1
1594	Building PSS-based circular business model canvases: an application in the waste from electrical and electronic equipment context. , 2022, , .		0
1595	Machine Learning Supporting Maintenance Management: A Case Study in Scaffolding Industry's Servitization Process. <i>Lecture Notes in Mechanical Engineering</i> , 2023, , 273-282.	0.3	0
1596	Supply chain antecedents of servitization: A study in ETO machinery companies. <i>International Journal of Production Economics</i> , 2023, 258, 108808.	5.1	4
1597	Does the combination of sustainable business model patterns lead to truly sustainable business models? Critical analysis of existing frameworks and extensions. <i>Journal of Business Economics</i> , 2023, 93, 597-634.	1.3	1
1598	A dynamic capability evaluation of emerging business models for new mobility. <i>Research in Transportation Business and Management</i> , 2023, 47, 100964.	1.6	5
1599	Life Cycle Assessment of the Renting of Leisurewear. <i>Textile Science and Clothing Technology</i> , 2023, , 119-127.	0.4	0
1600	Measuring the Impact of Sustainability of Product-Service-Systems. <i>Lecture Notes in Production Engineering</i> , 2023, , 435-446.	0.3	0
1601	Research trends of sustainability and marketing research, 2010â€“2020: Topic modeling analysis. <i>Heliyon</i> , 2023, 9, e14208.	1.4	4

#	ARTICLE	IF	CITATIONS
1602	A Vulnerability Assessment Framework for Product-Service Systems Based on Variation Mode and Effect Analysis. <i>Sustainability</i> , 2023, 15, 5092.	1.6	0
1603	The Role of Internet-of-Things for Service Transformation. <i>SAGE Open</i> , 2023, 13, 215824402311592.	0.8	1
1604	Digital Servitization in Agriculture. <i>Classroom Companion: Business</i> , 2023, , 331-351.	4.6	1
1605	Remanufacturing and Refurbishment of Electronic Devicesâ€™ Their Future from a Business Perspective. <i>Studies in Systems, Decision and Control</i> , 2023, , 229-270.	0.8	0
1606	Implementation and management of a circular public procurement contract for furniture. <i>Frontiers in Sustainability</i> , 0, 4, .	1.3	0
1607	Economic and environmental impact of circular business models: A case study of White Goods-as-a-Service using multi-method simulation modelling. <i>Journal of Cleaner Production</i> , 2023, 407, 137147.	4.6	1
1608	Joint quality and maintenance decisions under servitization business model. <i>International Journal of Production Research</i> , 2024, 62, 1567-1585.	4.9	0
1609	Technical Product-Service Systems: A Methodology to reduce the Carbon Footprint in PSS Design. <i>Procedia CIRP</i> , 2023, 116, 77-82.	1.0	1
1610	Architecture-based scenario design methodology for platform-enabled circular economy business. <i>Procedia CIRP</i> , 2023, 116, 293-298.	1.0	0
1611	Measuring the level of acceptance from the population of Guayas Province for different PaaS models: The case of the washing machine. <i>Procedia CIRP</i> , 2023, 116, 462-467.	1.0	0
1612	Sustainable smart product-service systems: a causal logic framework for impact design. <i>Journal of Business Economics</i> , 2023, 93, 667-706.	1.3	4
1613	Implementation of a circular supply chain model using reusable components in multiple product generations. <i>Heliyon</i> , 2023, 9, e15594.	1.4	3
1626	Circular Economy Policies in the Concrete Production. <i>Springer Proceedings in Earth and Environmental Sciences</i> , 2023, , 433-438.	0.2	1
1628	Service Automation. <i>Springer Handbooks</i> , 2023, , 601-616.	0.3	1
1631	Markentransformationsprozesse in der Servicetransformation. <i>Forum Dienstleistungsmanagement</i> , 2023, , 287-329.	1.0	0
1634	Product-Service Systems. , 2022, , 1-7.		0
1638	Research on the Board-Game-Like Service Design Tools Based on SECI Knowledge Transformation Model: Take the Customer Journey Map as an Example. <i>Lecture Notes in Computer Science</i> , 2023, , 455-467.	1.0	0
1643	Application of SAPPHIRE Model of Causality in the Design of Product-Service Systems. <i>Smart Innovation, Systems and Technologies</i> , 2023, , 527-539.	0.5	0

#	ARTICLE	IF	CITATIONS
1648	Servitization Opportunities for Improving Sustainability in the Steel Industry. Lecture Notes in Networks and Systems, 2023, , 384-397.	0.5	0
1653	Consumer Perspectives of Rental of Outdoor Clothing. Sustainable Textiles, 2023, , 41-74.	0.4	0
1654	The Afterlife of Waste: Sustainable Fashion Businesses & Solutions. Sustainable Textiles, 2023, , 121-153.	0.4	0
1657	Towards User-Centric Design Guidelines for PaaS Systems: The Case of Home Appliances. Communications in Computer and Information Science, 2023, , 186-195.	0.4	0
1668	Servitization and Industry 5.0: The Future Trends of Manufacturing Transformation. IFIP Advances in Information and Communication Technology, 2023, , 109-121.	0.5	0
1671	Technology Design for a Sustainable Circular Economy: Research and Practice Consequences. , 2023, , 1307-1326.		0
1672	Kapitel 14. Die Versorgung mit GÃ¼tern und Dienstleistungen. , 2023, , 413-436.		0
1675	Smart Product-Service System Definitions and Elements â€ Relationship to Sustainability. IFIP Advances in Information and Communication Technology, 2023, , 76-91.	0.5	0
1676	Source-Target-Link-Matrix: A Conceptual Approach for the Systematic Design of Data-Driven Product Service Systems. IFIP Advances in Information and Communication Technology, 2023, , 17-31.	0.5	0
1677	Moving Towards Everything-as-a-Service: A Multiple Case Study in Manufacturing. IFIP Advances in Information and Communication Technology, 2023, , 199-212.	0.5	1
1678	The Role of Asset Ownership in PSS Theory: An Insight from Expert Interviews. IFIP Advances in Information and Communication Technology, 2023, , 412-425.	0.5	0
1693	Conceptual Background. SpringerBriefs in Information Systems, 2023, , 9-21.	0.4	0
1694	Creating Sustainable Products. , 2023, , 123-157.		0
1697	Context of the Design and Development Process. , 2024, , 21-57.		0
1702	Planning of Hybrid Portfolios for Industrial Solution Providers in Machinery Engineering. Lecture Notes in Production Engineering, 2024, , 407-416.	0.3	0
1703	Product-Service Systems. , 2023, , 2681-2687.		0
1707	Circular Provision of Building Products and Services: Integration of Invitations to Tender (ITTs). , 2023, , 111-151.		0
1709	State of the Art in Servitization Research. , 2024, , 47-67.		0

#	ARTICLE	IF	CITATIONS
1710	I-Health - Designing a Smart Massage Product-Service System for the Sub-health Status of Young People Based on Traditional Chinese Tuina Therapy. Communications in Computer and Information Science, 2024, , 459-469.	0.4	0
1711	Innovative Business Model "Product Plus Service"™ as Paradigm Innovation in Farming. , 2024, , 69-90.		0
1712	Exploring Circular Economy in International Businesses Through the Lens of Sustainability. Contributions To Management Science, 2023, , 175-220.	0.4	0
1716	Advancements and Implications of Product Service Systems in the Automobile Industry: A Comprehensive Review. , 0, , .		0
1717	Towards Circular Systems: The Role of Digital Servitization in an Italian Extended Partnership. Communications in Computer and Information Science, 2023, , 239-249.	0.4	0
1718	Nachhaltigkeitsorientierung im Life Cycle Engineering. FOM-Edition, 2023, , 239-253.	0.1	0
1732	A Sustainable Product-Service System (PSS) Design for Retail Food Loss and Waste: Research Through Design. , 2023, , 447-460.		0
1733	Holistic Ecodesign Framework Developed Through a Case Study in the Automotive Industry. , 2023, , 399-411.		0
1743	Cas en marketing durable. , 2023, , 97-120.		0
1745	Investigation of Digital Product Services for B2B Products. Lecture Notes in Networks and Systems, 2024, , 383-390.	0.5	0
1751	Kernelemente der Customer-Dominant Logic. , 2024, , 77-149.		0