

H-index = 13 (Scopus), 14 (Researchgate), 14 (Google Scholar)

Journal Papers in Science Citation Index or Scopus:

Published and accepted:		IF/Quartile/ ISSN	Citations
1	R.K. Gupta, A.R. Alhyari. 2022. ‘Sustainable product development for elderly: optimizing functional abilities’, International Journal of Product Lifecycle Management, 14(4), 350–366 (Inderscience)	1.5/Q2/ 1743-5110	1
2	R.K. Gupta, C. Ucler, A. Bernard. 2022. ‘Remote customer interaction in frugal product development: model with customer evaluation’, International Journal of Product Lifecycle Management, 14(4), 367–392 (Inderscience)	1.5/Q2/ 1743-5110	1
3	R.K. Gupta, B. Gurumoorthy. 2021. ‘Feature-based Ontological Framework for Semantic Interoperability in Product Development’, Advanced Engineering Informatics, 48, 101260 (Elsevier)	8.8/Q1/ 1474-0346	14
4	R.K. Gupta, H. Salem, M.A.H. Hussein, S. Salunkhe, A.A.A. Ramadan. 2021. ‘Sheet-Metal Feature Recognition Using STEP: Database for Product Development’, Journal of Advanced Manufacturing Systems, 20(4), 815-829 (World Scientific Publishing)	1.4/ Q2/ 0219-6867	2
5	F Belkadi, E Vlachou, R.K. Gupta, V Zogopoulos, M Kaya, A Bernard, D Mourtzis, S Natalizio, B.G. Büyükdıgan, I.T Bayrak. 2018 ‘Modularity as a support for frugal product and supplier network co-definition under regional market constraints: A mirroring hypothesis application’, International Journal of Production Research, 56, 6575-6590 (Taylor & Francis)	9.2/Q1 0020-7543	24
6	J. Buergin, F. Belkadi, C. Hupays, R.K. Gupta, F Bitte, G. Lanza, A. Bernard. 2018. ‘A modular-based approach for Just-In-Time Specification of customer orders in the aircraft manufacturing industry’, CIRP Journal of Manufacturing Science and Technology, 21, 61-74 (Elsevier)	4.8/Q1 1755-5817	43
7	R.K. Gupta, F Belkadi, C Buergy, F Bitte, C Da Cunha, J Buergin, G Lanza, A Bernard. 2018. ‘Gathering, evaluating and managing customer feedback during aircraft production’, Computers & Industrial Engineering, 115, 559-572 (Elsevier)	7.9/Q1 0360-8352	39
8	Y Zhang, R.K. Gupta, A Bernard. 2016. ‘Two-dimensional placement optimization for multi-parts production in additive manufacturing’, Robotics and Computer-Integrated Manufacturing, 38, 102-117 (Elsevier)	10.4 /Q1 0736-5845	89
9	Y Zhang, A Bernard, R.K. Gupta, R Harik. 2016. ‘Feature based building orientation optimization for additive manufacturing’, Rapid Prototyping Journal, 22(2), 358-376 (Emerald)	3.9 /Q1 1355-2546	100
10	Y Kulkarni, R.K. Gupta, A Sahasrabudhe, M Kale, A Bernard. 2016. ‘Leveraging feature information for defeaturing sheet metal feature-based CAD part model’, Computer-Aided Design and Applications, 13(6), 885-898 (Taylor & Francis).	1.8/Q3 1686-4360	6
11	P Sreenu, R.K. Gupta. 2014. ‘Extraction of process parameters from a sheet metal part model’, Applied Mechanics and Materials, Vols. 592-594, pp. 888-893 (Trans Tech Publications).	--/Q4 1662-7482	1

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12	R.K. Gupta, B Gurumoorthy. 2013. 'Classification, representation, and automatic extraction of deformation features in sheet metal parts', Computer-Aided Design, 45(11), 1469-1484 (Elsevier)	4.3/Q1 0010-4485	45
13	R.K. Gupta, B Gurumoorthy. 2012. 'Automatic extraction of free-form surface features (FFSFs)', Computer-Aided Design, 44(2), 99-112 (Elsevier)	4.3/Q1 0010-4485	61
14	R.K. Gupta, B Gurumoorthy. 2008. 'A feature-based framework for semantic interoperability of product models', sv-Journal of Mechanical Engineering, 54(6), 446-457.	1.352/Q2 0039-2480	27

Conference Papers Indexed in Science Citation Index or Scopus or Web of Science Conference or any internationally renowned conference

International, Published and accepted: 26 Numbers		Country	Citations
1	H.M.A. Hussein, R.K. Gupta, A.A. El-Aty, S.A. Elatriby. 2023. 'Design of a novel automotive canopy and battery charging based on renewable energy technology', Materials Today: Proceedings, online (Elsevier).	India	0
2	S.K. Singh, L. Sondhi, H. Tripathi, R. Madan, R.K. Gupta, B. Gurung. 2023. 'Wear and hardness analysis of aluminium-zirconium-based composites', Materials Today: Proceedings, online (Elsevier).	India	2
3	S.R. Chowdhury, S. Parve, B.N. Chopda, R.K. Gupta. 2023. 'Sensor calibration techniques for IoT networks', AIP Conference Proceedings, 2752(1) (AIP Publishing)	India	1
4	R.K. Gupta, M. Gupta, R. Warkhedkar, S.R. Chowdhury. 2023. 'A self-balancing tray for elderly people', Materials Today: Proceedings, 72(3), 694-697 (Elsevier).	India	0
5	A.R. Alhyari, R.K. Kumar Gupta. 2022. 'Sustainable product development for elderly', Materials Today: Proceedings, 62(3), 1550-1553 (Elsevier).	India	2
6	N. Yaragatti, R.K. Gupta. 2022. 'Developing Products for the Elderly: PUIA Design Taxonomy', In: Deepak, B.B.V.L., Parhi, D., Biswal, B., Jena, P.C. (eds) Applications of Computational Methods in Manufacturing and Product Design. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-19-0296-3_10	India	3
7	N. Yaragatti, R.K. Gupta. 2022. 'Adapting Products for Elderly: Generic Design Taxonomies', In: Cancigliieri Junior, O., Noël, F., Rivest, L., Bouras, A. (eds) Product Lifecycle Management. Green and Blue Technologies to Support Smart and Sustainable Organizations. PLM 2021. IFIP Advances in Information and Communication Technology, vol 640. Springer, Cham. https://doi.org/10.1007/978-3-030-94399-8_22	Brazil	3
8	RK Gupta, D Goyal, AK Sharma. 2021. 'Clutch Operating Mechanism for Disabled People with Leg Amputee', Lecture Notes in Mechanical Engineering, pp 31-39, ISBN 978-981-15-6618-9 (Springer)	India	0
9	H. Salem, R.K. Gupta, H. Gürün, H.M.A. Hussein. 2020. 'An approach to optimum classification and recognition of sheet metal features according to STEP 10303', International Conference on Advanced Materials Science & Engineering and High Tech Devices Applications; Exhibition (ICMATSE 2020)	Turkey	0
10	M. Bukya, R. Kumar, RK Gupta. 2020. 'A Study on Safety Issues and Analytical Evaluation of Stresses for HVDC Cable in Electrical Vehicle',	India	11

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	Conference on Flexible Electronics for Electric Vehicles (FlexEV-2020), AIP Conference Series (SCOPUS INDEX)		
11	HMA Hussein, AAA Ramadan, RK Gupta. 2020. 'Telerobot: Failure detection using imaging technique for piping internal surfaces', Int. Conference on Materials Technology and Energy, held in Curtin University, Miri, Malaysia on 6-8 November 2019, IOP Conf. Series	Malaysia	0
12	M Manjaiah, RK Gupta. 2020. 'Surface engineering of titanium using anodization and plasma treatment', Int. Conference on Materials Technology and Energy, held in Curtin University, Miri, Malaysia on 6-8 November 2019, IOP Conf. Series	Malaysia	5
13	RK Gupta. 2020. 'Augmented Reality Based Collaborative Product Enhancement', Lecture Notes in Mechanical Engineering, pp 501-509, ISBN 978-981-15-6618-9 (Springer)	India	3
14	RK Gupta, G. Rani. 2020. 'Machine Learning and IoT based Real Time Parking System: Challenges and Implementation', 3rd International Conference on Innovative Computing and Communication (ICICC-2020); http://dx.doi.org/10.2139/ssrn.3563377	India	8
15	G Rani, RK Gupta, SA Bhandare. 2019. 'Human Resource Management in an Industrial Scenario', Int. Conference on Advances in Mechanical Engineering and Nanotechnology (ICAMEN 2019) held in Jaipur India, AIP Conference Proceedings.	India	0
16	RK Gupta, C Ucler, A Bernard. 2018. 'Extension of the Virtual Customer Inspection for Distant Collaboration in NPD: A Proposal and Assessment of Challenges', 24th Int. Conference on Engineering, Technology and Innovation (ICE/IEEE ITMC 2018) held in Stuttgart Germany, pp. 1086-1092, ISBN 978-1-5386-1468-6.	Germany	6
17	RK Gupta, RK Gupta. 2018, 'Cutting Tool for Marble & Granite: A Review', Int. Conference on Mechanical, Materials and Renewable Energy, pp. 1-6, IOP Conf. Series: Materials Science and Engineering 377 (2018) 012126. ISSN 17578981.	India	8
18	D Mourtzis, E Vlachou, V Zogopoulos, RK Gupta, F Belkadi, A Debbache, A Bernard. 2018. 'Customer Feedback Gathering and Management Tools for Product and Service Design', 11th CIRP Conf. on Intelligent Computation in Manufacturing Engineering, CIRP ICME'17, Italy, Procedia CIRP, Vol.67, pp.577-582 (Elsevier). ISSN 22128271.	Italy	58
19	F Belkadi, RK Gupta, S Natalizio, A Bernard. 2017. 'Modular Architectures Management with PLM for the Adaptation of Frugal Products to Regional Markets', IFIP 14th Int. Conference on Product Lifecycle Management 9-12 July 2017, Seville, (Springer).	Spain	9
20	R.K. Gupta, F. Belkadi, A. Bernard. 2017. 'Adaptation of European product to emerging markets: Modular product development', 15e Colloque National AIP-PRIMECA, La Plagne (73). 12-14 April 2017.	France	7
21	R.K. Gupta, F. Belkadi, A. Bernard. 2017. 'Evaluation and management of customer feedback to include market dynamics into product development: Satisfaction Importance Evaluation (SIE) model', DS 87-4 Proceedings of the 21st Int. Conference on Engineering Design (ICED 17), Vol. 4, pp. 327-336, Vancouver, Canada. 21-25 August 2017.	Canada	16

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22	F. Belkadi, R.K. Gupta, K. Vlachou, A. Bernard, D. Mourtis. 2016. 'Linking product structure to suppliers' selection strategy through PLM approach: A frugal innovation perspective', IFIP AICT, Vol. 492, pp. 227-237 (Springer).	USA	19
23	F. Belkadi, J. Buerger, R.K. Gupta, Y. Zhang, A. Bernard, G. Lanza, M. Colledani, M. Urgo. 2016. 'Co-Definition of Product Structure and Production Network for Frugal Innovation Perspectives: Towards a Modular-based Approach', 26th CIRP Design Conference, Stockholm, Procedia CIRP, Vol.50, pp.589-594 (Elsevier).	Sweden	41
24	Y Kulkarni, R.K. Gupta, A Sahasrabudhe, M Kale, A Bernard. 2015. 'Defeaturing sheet metal part model based on feature information', 12th Intl. CAD Conference, UK, pp. 297-302 (CAD Solutions, LLC.).	UK	2
25	Y. Zhang, R.K. Gupta, A. Bernard. 2015. 'A parallel 2D nesting method for machine's work space planning in additive manufacturing', 14e Colloque National AIP-Priméca, La Plagne (73), 31 March to 02 April 2015.	France	2
26	R.K. Gupta, P. Sreenu, A. Bernard, F. Laroche. 2014. 'Process Information Model for Sheet Metal Operations', In: Product Lifecycle Management for a Global Market, Fukuda, Bernard, Gurumoorthy, Bouras (Eds), 10th IFIP WG 5.1 Int. Conference, PLM2014, held in Japan, IFIP AICT, Vol. 442, pp. 455-463 (Springer).	Japan	6
27	Y Zhang, A Bernard, R.K. Gupta, R Harik. 2014. 'Evaluating the design for additive manufacturing: a process planning perspective', 24th CIRP Design Conference, Italy, Procedia CIRP, Vol.21, pp.144-150 (Elsevier).	Italy	133
28	A.M. Ramteke, R.K. Gupta. 2014. 'Design and Development of Bamboo Based Tricycle with Safety Feature, International Mechanical Engineering Congress (IMEC - 2014), NIT Trichy, India.	India	0
29	R.K. Gupta, B Gurumoorthy. 2013. 'Unified taxonomy for reference ontology of shape features in product model', In: Product Lifecycle Management for Society, Bernard, Rivest & Dutta (Eds.), 9th IFIP WG 5.1 Int. Conference, PLM2013, held in France, IFIP AICT, Vol. 409, chapter 30, pp. 295-307 (Springer).	France	9
30	R.K. Gupta, B. Gurumoorthy. 2009. 'Shape-function-relationship (SFR) framework for semantic interoperability of product model' In: Proceedings of the PLM 09 Int. Conference on Product Lifecycle Management: Supporting the extended enterprise, Ed. McMahon, Dutta and Huang, pp. 150-162, 6-8 July 2009, University of Bath, UK. ISBN 0-907776-49-3. (Inderscience).	UK	3
31	R.K. Gupta, B. Gurumoorthy, V. Robin, P. Girard. 2009. 'A conceptual vision of interoperability of CAD tools and software to track evolution of design process', In: Proceedings of the PLM 09 Int. Conference on Product Lifecycle Management: Supporting the extended enterprise, Ed. McMahon, Dutta and Huang, pp. 119-129, 6-8 July 2009, University of Bath, UK. ISBN 0-907776-49-3. (Inderscience).	UK	2
32	R.K. Gupta, B. Gurumoorthy. 2008. 'Extending feature based semantic interoperability for sheet-metal product development', In: Proceedings of Int. Conference on Trends in Product Lifecycle Modeling, Simulation and Synthesis, pp. 236-246, 17-19 November 2008, Bangalore, India.	India	4

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National Conference Papers

Published: 4 Numbers	
1	Bhatt, A.D., Gupta, R.K., 2006. 'Development of flat pattern nesting software', In: Proceedings of All India Seminal on Advances in Product Development APD 2006, Allahabad, India. ISBN 81-224-1851-1. (Publisher: New Age International Pvt Ltd)
2	S. Halder, R.K. Gupta, T. Prasad. 2013. 'Effect of process zone on tensile behavior of DGBA/SiO ₂ nanocomposites', 5th National Symposium for Materials Research Scholars, MR-13, 2013, Mumbai, India.
3	Gupta, R.K. 2007. 'Semantic interoperability of product model', In: Proceedings of the Symposium on Research in Production Design 2007, IISc Bangalore.
4	Gupta, R.K. 2008. 'Semantic interoperability of product models: Handling application domains with non-volumetric features', In: Proceedings of the Symposium on Research in Production Design 2008, IISc Bangalore.

Book chapter published by reputed international publishers

Published: 3 Numbers	
1	RK Gupta, Y Zhang, A Bernard, B Gurumoorthy. 2017. 'Generic classification and representation of shape features in sheet-metal parts', In: AI Applications in Sheet Metal Forming, Kumar, Hussein (Eds.), TMMME book series, ch. 2, pp. 15-39, ISBN 978-981-10-2250-0 (Springer).
2	C. Ucler, RK Gupta, 2021. 'From Lean towards Frugal Product Development', In: Rural Entrepreneurship and Innovation in the Digital Era, ch. 12, ISBN: 9781799849421 (IGI Global)
3	RK Gupta, HMA Hussein, MS Salunkhe, M Gupta, S Kumar. 2019. 'Step towards Computer Aided Integration of Sheet Metal Applications', Lecture Notes in Mechanical Engineering, pp. 437-444, ISBN 978-981-13-2717-9 (Springer).
4	P. Agarwal, R. Kurian, R.K. Gupta. 2022. 'Additive Manufacturing Feature Taxonomy and Placement of Parts in AM Enclosure', ch. 7, pp. 138-176, ISBN: 9781799885160 (IGI Global).