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- Personal Information
- Expertise Information
- Experience
- Education Qualification
- Publications

Academic Identity

Orcid Id
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Scopus Id
12805481300 (http://www.scopus.com/authid/detail.url?authorId=12805481300)

Researcher Id
J-4414-2019 (http://www.researcherid.com/rid/J-4414-2019)

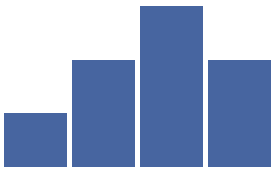
Google Scholar Id
UBpaUzcAAAAJ (http://scholar.google.co.in/citations?user=UBpaUzcAAAAJ)

Vidwan-ID : 117632

Edit Profile

Dr Samuel Raj D
Assistant Professor
Anna University, Chennai

Publications 2006 - 2018



Publications

8
Journal Articles

8

Citations / H-Index

117
CITATIONS

6
H-INDEX

105
CITATIONS

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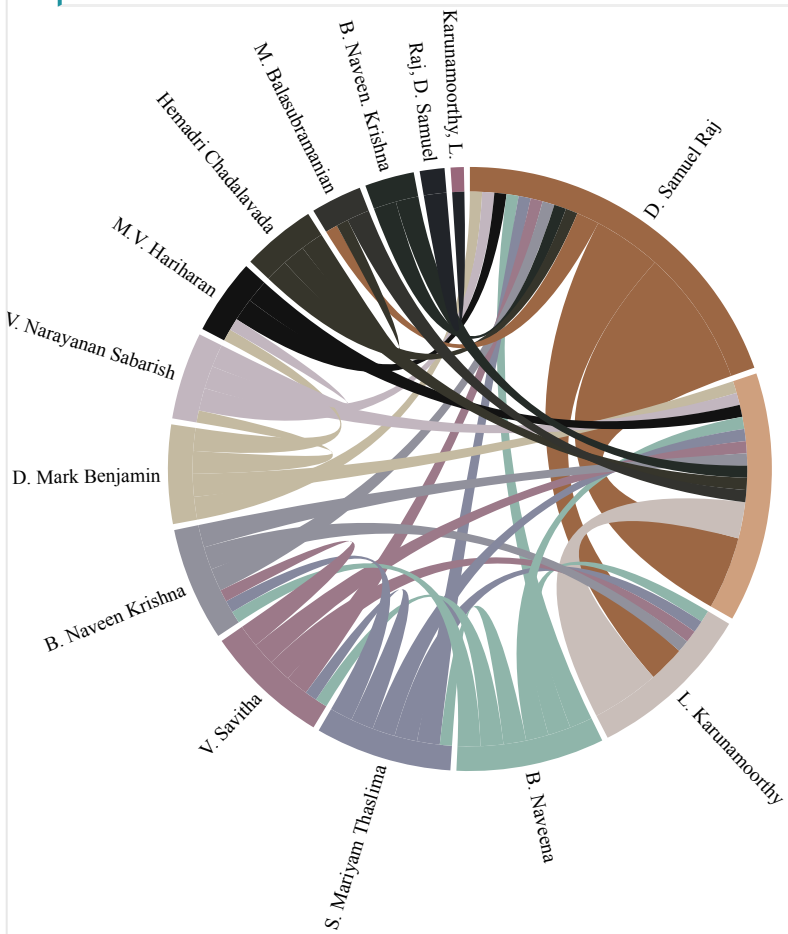
Co-author Network

Co-author - 24

Years

2018

- [x] 2017
- [x] 2016
- [x] 2015
- [x] 2014
- [x] 2013
- [x] 2012
- [x] 2011
- [x] 2010
- [x] 2009
- [x] 2008



Expertise

Mechanical Engineering

Precision Machining, Sustainable Machining, Manufacturing Metrology

Personal Information

Dr Samuel Raj D

Male

Department of Mechanical Engineering, Anna University, Chennai

Chennai, Tamil Nadu, - 600025

()

Experience

2009 - Present

Assistant Professor

Department of Mechanical Engineering
Anna University, Chennai

Qualification

2004

PhD

College of Engineering, Anna University

Publications (8)

Sort by

On the benefits of sub-zero air supplemented minimum quantity lubrication systems: An experimental and mechanistic investigation on end milling of Ti-6-Al-4-V alloy

D. Mark Benjamin ., V. Narayanan Sabarish ., M.V. Hariharan ., D. Samuel Raj .,

Article Tribology International, **Volume** 119, **Year** 2018, **Pages** 464-473
DOI:10.1016/j.triboint.2017.11.021 (http://dx.doi.org/10.1016/j.triboint.2017.11.021)

13 Citations 11 Citations

(https://badge.dimensions.ai/details/doi/10.1016/j.triboint.2017.11.021?domain=https://annauniv.irins.org)

A new and comprehensive characterisation of tool wear in CFRP drilling using micro-geometry and topography studies on the cutting edge

D. Samuel Raj ., L. Karunamoorthy .,

Article Journal of Manufacturing Processes, **Volume** 32, **Year** 2018, **Pages** 839-856
DOI:10.1016/j.jmapro.2018.04.014 (http://dx.doi.org/10.1016/j.jmapro.2018.04.014)

9 Citations 7 Citations

(https://badge.dimensions.ai/details/doi/10.1016/j.jmapro.2018.04.014?domain=https://annauniv.irins.org)

Improvement of hole quality and process characteristics by adopting reduced quantity lubrication in drilling of stainless steel 304

B. Naveen. Krishna ., D. Samuel Raj .,

Article International Journal of Productivity and Quality Management, **Volume** 22, **Year** 2017, **Pages** 190-204
DOI:10.1504/IJPQM.2017.10001633 (http://dx.doi.org/10.1504/IJPQM.2017.10001633)

2 Citations 1 Citations

(https://badge.dimensions.ai/details/doi/10.1504/IJPQM.2017.10001633?domain=https://annauniv.irins.org)

Simplified MQL system for drilling AISI 304 SS using cryogenically treated drills

B. Naveena ., S. S. Mariyam Thaslima ., V. Savitha ., B. Naveen Krishna ., D. Samuel Raj ., L. Karunamoorthy .,

Article Materials and Manufacturing Processes, **Volume** 32, **Year** 2017, **Pages** 1679-1684
DOI:10.1080/10426914.2017.1328121 (http://dx.doi.org/10.1080/10426914.2017.1328121)

12 Citations 11 Citations

Citations Citations

(https://badge.dimensions.ai/details/doi/10.1080/10426914.2017.1328121?domain=https://annauniv.irins.org)

Cutting edge—flatting and roughness measurement—to monitor blunting and chipping of the drill cutting edge when drilling CFRP

D. Samuel Raj ., L. Karunamoorthy .,

Article International Journal of Advanced Manufacturing Technology, **Volume** 92, **Year** 2017, **Pages** 953-968

DOI:10.1007/s00170-017-0090-y (http://dx.doi.org/10.1007/s00170-017-0090-y)

Scopus 9 Citations CROSSREF 8 Citations

(https://badge.dimensions.ai/details/doi/10.1007/s00170-017-0090-y?domain=https://annauniv.irins.org)

Study of the Effect of Tool Wear on Hole Quality in Drilling CFRP to Select a Suitable Drill for Multi-Criteria Hole Quality

Raj, D. Samuel;Karunamoorthy, L.

Article Materials and Manufacturing Processes, **Volume** 31, **Year** 2016, **Pages** 587-592

DOI:10.1080/10426914.2015.1004713 (http://dx.doi.org/10.1080/10426914.2015.1004713)

Scopus 39 Citations CROSSREF 38 Citations

(https://www.altmetric.com/details.php?domain=annauniv.irins.org&citation_id=35587306)

(https://badge.dimensions.ai/details/doi/10.1080/10426914.2015.1004713?domain=https://annauniv.irins.org)

Six Sigma implementation in a manufacturing unit - A case study

Hemadri Chadalavada ., D. Samuel Raj ., M. Balasubramanian .,

Article International Journal of Productivity and Quality Management, **Volume** 19, **Year** 2016, **Pages** 409-422

DOI:10.1504/IJPQM.2016.080150 (http://dx.doi.org/10.1504/IJPQM.2016.080150)

3 Citations 1 Citations

(https://badge.dimensions.ai/details/doi/10.1504/IJPQM.2016.080150?domain=https://annauniv.irins.org)

Modeling and optimization of process parameters for defect toleranced drilling of GFRP composites

Arul, S.;Raj, D. Samuel;Vijayaraghavan, L.;Malhotra, S. K.;Krishnamurthy, R.

Article Materials and Manufacturing Processes, **Volume** 21, **Year** 2006, **Pages** 357-365
DOI:10.1080/10426910500411587 (http://dx.doi.org/10.1080/10426910500411587)

30 Citations 28 Citations

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