

# R Raghu Raman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2802722/publications.pdf>

Version: 2024-02-01

64  
papers

890  
citations

687363  
13  
h-index

610901  
24  
g-index

70  
all docs

70  
docs citations

70  
times ranked

488  
citing authors

#	ARTICLE	IF	CITATIONS
1	A new approach to personalization: integrating e-learning and m-learning. Educational Technology Research and Development, 2012, 60, 659-678.	2.8	91
2	Towards an inclusive digital literacy framework for digital India. Education and Training, 2018, 60, 516-528.	3.1	88
3	Personalized Health Monitoring System for Managing Well-Being in Rural Areas. Journal of Medical Systems, 2018, 42, 22.	3.6	54
4	Modelling the factors of agility of humanitarian operations. International Journal of Agile Systems and Management, 2019, 12, 108.	0.3	54
5	The VALUE @ Amrita Virtual Labs Project: Using Web Technology to Provide Virtual Laboratory Access to Students. , 2011, , .		48
6	Adoption of online proctored examinations by university students during COVID-19: Innovation diffusion study. Education and Information Technologies, 2021, 26, 7339-7358.	5.7	48
7	The VLAB OER Experience: Modeling Potential-Adopter Student Acceptance. IEEE Transactions on Education, 2014, 57, 235-241.	2.4	32
8	Improving educational outcomes & reducing absenteeism at remote villages with mobile technology and WhatsApp: Findings from rural India. Education and Information Technologies, 2018, 23, 113-127.	5.7	32
9	Complementing Education via Virtual Labs: Implementation and Deployment of Remote Laboratories and Usage Analysis in South Indian Villages. International Journal of Online Engineering, 2016, 12, 8.	0.5	29
10	Serious games based approach to cyber security concept learning: Indian context. , 2014, , .		27
11	Virtual Laboratories- A historical review and bibliometric analysis of the past three decades. Education and Information Technologies, 2022, 27, 11055-11087.	5.7	26
12	Enhanced STEM learning with Online Labs: Empirical study comparing physical labs, tablets and desktops. , 2013, , .		21
13	Inquiry Based Learning Pedagogy for Chemistry Practical Experiments Using OLABs. Advances in Intelligent Systems and Computing, 2015, , 633-642.	0.6	17
14	Computer Science (CS) Education in Indian Schools. ACM Transactions on Computing Education, 2015, 15, 1-36.	3.5	17
15	Bibliometric Analysis of SARS, MERS, and COVID-19 Studies from India and Connection to Sustainable Development Goals. Sustainability, 2021, 13, 7555.	3.2	16
16	Predicting school performance and early risk of failure from an intelligent tutoring system. Education and Information Technologies, 2020, 25, 3995-4013.	5.7	15
17	COVIDTAS COVID-19 Tracing App Scale – An Evaluation Framework. Sustainability, 2021, 13, 2912.	3.2	14
18	Effectiveness of adaptive learning with interactive animations and simulations. , 2010, , .		12

#	ARTICLE	IF	CITATIONS
19	Adaptive learning methodologies to support reforms in continuous formative evaluation. , 2010, , .		11
20	Framework for evaluating Capture the Flag (CTF) security competitions. , 2014, , .		11
21	Usage and Diffusion of Biotechnology Virtual Labs for Enhancing University Education in India's Urban and Rural Areas. Advances in Educational Technologies and Instructional Design Book Series, 2014, , 63-83.	0.2	11
22	Modelling diffusion of a personalized learning framework. Educational Technology Research and Development, 2012, 60, 585-600.	2.8	10
23	Students motivation for adopting programming contests: Innovation-diffusion perspective. Education and Information Technologies, 2018, 23, 1919-1932.	5.7	10
24	How to make intelligent automation projects agile? Identification of success factors and an assessment approach. International Journal of Organizational Analysis, 2023, 31, 1461-1491.	2.9	10
25	Low cost tablet enhanced pedagogy for early grade reading: Indian context. , 2014, , .		9
26	Innovation Adoption and Diffusion of Virtual Laboratories. International Journal of Online and Biomedical Engineering, 2020, 16, 4.	1.4	9
27	Improving perception of invisible phenomena in undergraduate physics education using ICT. , 2014, , .		8
28	Blending Concept Maps with Online Labs (OLabs). , 2015, , .		8
29	Pedagogical Support for Collaborative Development of Virtual and Remote Labs: Amrita VLCAP. , 2018, , 219-240.		8
30	Spelling Errors by Normal and Poor Readers in a Bilingual Malayalam-English Dyslexia Screening Test. , 2018, , .		8
31	Performance improvements in schools with Adaptive Learning and Assessment. , 2010, , .		7
32	Technology enabled teacher training for low-literate, remote and rural multi-grade education centers. , 2017, , .		7
33	Towards a digital learning ecology to address the grand challenge in adult literacy. Interactive Learning Environments, 2023, 31, 383-396.	6.4	7
34	Understanding the Bibliometric Patterns of Publications in IEEE Access. IEEE Access, 2022, 10, 35561-35577.	4.2	7
35	Security vulnerabilities in open source projects: An India perspective. , 2014, , .		6
36	Integrating Writing Direction and Handwriting Letter Recognition in Touch-Enabled Devices. Advances in Intelligent Systems and Computing, 2016, , 393-400.	0.6	6

#	ARTICLE	IF	CITATIONS
37	Comparing English and Malayalam Spelling Errors of Children using a Bilingual Screening Tool. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 427-436.	0.6	6
38	Enablers facilitating industry-academia, transnational education and university-community partnering agility in higher education. <i>Higher Education, Skills and Work-based Learning</i> , 2022, 12, 604-626.	1.6	6
39	Pattern of contraceptive use, determinants and fertility intentions among tribal women in Kerala, India: a cross-sectional study. <i>BMJ Open</i> , 2022, 12, e055325.	1.9	6
40	Low cost tablets as disruptive educational innovation: modeling its diffusion within Indian K12 system. , 2014, , .		5
41	Effectiveness of Online Labs Teacher Training Workshop. , 2018, , .		5
42	Inter-Rater Reliability of a Dyslexia Screening Test. , 2019, , .		5
43	Blending Concept Maps with Online Labs for STEM Learning. <i>Advances in Intelligent Systems and Computing</i> , 2015, , 133-141.	0.6	5
44	Virtual Labs in Engineering Education: Modeling Perceived Critical Mass of Potential Adopter Teachers. <i>Lecture Notes in Computer Science</i> , 2013, , 288-300.	1.3	5
45	Preparing global engineers: USA-India academia & industry led approach. , 2014, , .		4
46	Feature-Aware Knowledge Tracing for Generation of Concept-Knowledge Reports in an Intelligent Tutoring System. , 2019, , .		4
47	Acquisition and User Behavior in Online Science Laboratories before and during the COVID-19 Pandemic. <i>Multimodal Technologies and Interaction</i> , 2021, 5, 46.	2.5	4
48	Adoption of Web-Enabled Student Evaluation of Teaching (WESET). <i>International Journal of Emerging Technologies in Learning</i> , 2020, 15, 191.	1.3	4
49	Flipped Labs as a Smart ICT Innovation: Modeling Its Diffusion among Interinfluencing Potential Adopters. <i>Advances in Intelligent Systems and Computing</i> , 2015, , 621-631.	0.6	3
50	Modeling Diffusion of Tabletop for Collaborative Learning Using Interactive Science Lab Simulations. <i>Lecture Notes in Computer Science</i> , 2014, , 333-340.	1.3	3
51	Investigating the Factors Affecting the Adoption of Experiential Learning Programs: MBA Students Experience with Live-in-Labs. , 2020, , .		3
52	Modeling Diffusion of Blended Labs for Science Experiments Among Undergraduate Engineering Students. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2014, , 234-247.	0.3	2
53	Complementing Neurophysiology Education for Developing Countries via Cost-Effective Virtual Labs: Case Studies and Classroom Scenarios. <i>Journal of Undergraduate Neuroscience Education: JUNE: A Publication of FUN, Faculty for Undergraduate Neuroscience</i> , 2014, 12, A130-9.	0.0	2
54	Using WebGL to implement a glass lens in Online Labs. , 2014, , .		1

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55	Teacher receptivity in creative use of virtual laboratories. , 2014, , .		1
56	Internationalizing engineering education with phased study programs: India-European experience. , 2014, , .		1
57	Benefits of Activity Based Learning Pedagogy with Online Labs (OLabs). , 2017, , .		1
58	Rural Health in Digital India: Interactive Simulations for Community Health Workers. , 2019, , .		1
59	Considering Misconceptions in Automatic Essay Scoring with A-TEST - Amrita Test Evaluation and Scoring Tool. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2014, , 271-281.	0.3	1
60	OLabs of Digital India, Its Adaptation for Schools in CÔte d'Ivoire, West Africa. Smart Innovation, Systems and Technologies, 2019, , 351-361.	0.6	1
61	Curriculum agility in higher education. Journal of Further and Higher Education, 2022, 46, 1175-1194.	2.5	1
62	Opinion Maps for tracking and visualizing feedback on digital video content. , 2010, , .		0
63	2012 IEEE International Conference on Technology Enhanced Education (ICTEE) - Foreword. , 2012, , .		0
64	Incorporating CTML principles in tablet-based learning. , 2017, , .		0