

Jan-Carel Diehl

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

1,686
citations

567247

15
h-index

302107

39
g-index

90
all docs

90
docs citations

90
times ranked

1335
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Schistoscope: An Automated Microscope with Artificial Intelligence for Detection of Schistosoma haematobium Eggs in Resource-Limited Settings. <i>Micromachines</i> , 2022, 13, 643. | 2.9 | 12 |
| 2 | Exploring richness in design spaces as a multi-level defined construct. <i>FormAkademisk</i> , 2022, 15, . | 0.4 | 0 |
| 3 | Design Thinking as a Strategy to Inculcate Problem-Based Learning (PBL) in Undergraduate Education Across South Asian Universities. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 547-559. | 0.6 | 1 |
| 4 | Product-Service Systems Development for Sustainability. A New Understanding. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 1-21. | 0.4 | 2 |
| 5 | Rethinking the Top-Down Approach to Schistosomiasis Control and Elimination in Sub-Saharan Africa. <i>Frontiers in Public Health</i> , 2021, 9, 622809. | 2.7 | 29 |
| 6 | Large volume holographic imaging for biological sample analysis. <i>Journal of Biomedical Optics</i> , 2021, 26, . | 2.6 | 5 |
| 7 | Guidelines for the design of digital knowledge: Empowering Bangladeshi communities to improve their water safety. , 2021, , . | | 0 |
| 8 | Stochastic load profile construction for the multi-tier framework for household electricity access using off-grid DC appliances. <i>Energy Efficiency</i> , 2020, 13, 197-215. | 2.8 | 35 |
| 9 | Implementing sustainable design theory in business practice: A call to action. <i>Journal of Cleaner Production</i> , 2020, 273, 123113. | 9.3 | 63 |
| 10 | A Context-Specific Design of an Electrosurgical Unit and Monopolar Handheld to Enhance Global Access to Surgical Care: A Design Approach Based on Contextual Factors. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2020, 14, . | 0.7 | 4 |
| 11 | Detection of Schistosoma haematobium using lensless imaging and flow cytometry, a proof of principle study. , 2020, , . | | 7 |
| 12 | Improving Access to Diagnostics for Schistosomiasis Case Management in Oyo State, Nigeria: Barriers and Opportunities. <i>Diagnostics</i> , 2020, 10, 328. | 2.6 | 19 |
| 13 | Matching Development of Point-of-Care Diagnostic Tests to the Local Context: A Case Study of Visceral Leishmaniasis in Kenya and Uganda. <i>Global Health, Science and Practice</i> , 2020, 8, 549-565. | 1.7 | 5 |
| 14 | Co-creation of affordable and clean pumped irrigation for smallholders: lessons from Nepal and Malawi. <i>Water Science and Technology: Water Supply</i> , 2020, 20, 1368-1379. | 2.1 | 1 |
| 15 | Effect of partial coherent illumination on Fourier Ptychography. , 2020, , . | | 1 |
| 16 | RESUMO TESE:A SYSTEMS DESIGN APPROACH TO SUSTAINABLE DEVELOPMENT: EMBRACING THE COMPLEXITY OF ENERGY CHALLENGES IN LOW-INCOME MARKETS. <i>Mix Sustentável</i> , 2020, 6, 175-180. | 0.0 | 0 |
| 17 | A Stakeholder Analysis of Schistosomiasis Diagnostic Landscape in South-West Nigeria: Insights for Diagnostics Co-creation. <i>Frontiers in Public Health</i> , 2020, 8, 564381. | 2.7 | 7 |
| 18 | Schistoscope: Smartphone versus Raspberry Pi based low-cost diagnostic device for urinary Schistosomiasis. , 2020, , . | | 3 |

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|----|---|-----|-----------|
| 19 | Target product profiles for devices to diagnose urinary schistosomiasis in Nigeria. , 2020, , . | | 4 |
| 20 | The embodiment of low-field MRI for the diagnosis of infant hydrocephalus in Uganda. , 2020, , . | | 4 |
| 21 | Water Lifting Water: A Comprehensive Spatiotemporal Review on the Hydro-Powered Water Pumping Technologies. Water (Switzerland), 2019, 11, 1677. | 2.7 | 13 |
| 22 | Formulating Design Recommendations for the Acceptance of the Use and Results of Point-of-Care Testing in Low- and Middle-Income Countries: A Literature Review. Proceedings of the Design Society International Conference on Engineering Design, 2019, 1, 2795-2804. | 0.6 | 1 |
| 23 | A framework for a systems design approach to complex societal problems. Design Science, 2019, 5, . | 2.1 | 18 |
| 24 | Motivation for Do-It-Yourself in Rural Base of the Pyramid Communities and the Changing Landscape. Smart Innovation, Systems and Technologies, 2019, , 611-625. | 0.6 | 0 |
| 25 | Schistoscope: Towards a locally producible smart diagnostic device for Schistosomiasis in Nigeria. , 2019, , . | | 10 |
| 26 | Towards Systems-Oriented Energy Solutions: A Multilevel Analysis of a Low-Income Energy Efficiency Program in Brazil. Sustainability, 2019, 11, 5799. | 3.2 | 5 |
| 27 | Connected Us! How Social Motives Determine DIY Behaviorism in Rural Base of the Pyramid Communities. Smart Innovation, Systems and Technologies, 2019, , 807-819. | 0.6 | 1 |
| 28 | The evolution of the Strategic role of Designers for Sustainable Development. Conference Proceedings of the Academy for Design Innovation Management, 2019, 2, . | 0.0 | 4 |
| 29 | Intentional Design for Diversity as Pathway to Scalable Sustainability Impact. Palgrave Studies in Sustainable Business in Association With Future Earth, 2019, , 291-309. | 0.8 | 0 |
| 30 | Track 4.f Introduction: Strategic Design of Sustainable Business Models. Conference Proceedings of the Academy for Design Innovation Management, 2019, 2, . | 0.0 | 0 |
| 31 | Educating for a systems design approach to complex societal problems. Journal of Engineering Design, 2018, 29, 65-86. | 2.3 | 17 |
| 32 | Facing complexity through varying the clarification of the design task. FormAkademisk, 2018, 11, . | 0.4 | 2 |
| 33 | Comprehensive user insight to improve technologies for development. International Development Planning Review, 2018, 40, 299-328. | 0.8 | 8 |
| 34 | A Scalable Clean Cooking Stove Matching the Cooking Habits of Ghana and Uganda. , 2018, , . | | 3 |
| 35 | Do-it-Yourself (DIY) Workspaces Run by Local Entrepreneurs that Transform Plastic Waste Into Valuable Water and Sanitation Products. , 2018, , . | | 1 |
| 36 | Imaging & identification of malaria parasites using cellphone microscope with a ball lens. PLoS ONE, 2018, 13, e0205020. | 2.5 | 33 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Designing Sustainable Energy for All. Green Energy and Technology, 2018, , . | 0.6 | 27 |
| 38 | Energy and Sustainable Development. Green Energy and Technology, 2018, , 3-22. | 0.6 | 10 |
| 39 | Sustainable Product-Service System Applied to Distributed Renewable Energies. Green Energy and Technology, 2018, , 53-100. | 0.6 | 2 |
| 40 | Distributed/Decentralised Renewable Energy Systems. Green Energy and Technology, 2018, , 23-39. | 0.6 | 9 |
| 41 | Sustainable Product-Service System (S.PSS). Green Energy and Technology, 2018, , 41-51. | 0.6 | 3 |
| 42 | Design for Sustainability: An Introduction. Green Energy and Technology, 2018, , 103-124. | 0.6 | 10 |
| 43 | Method and Tools for System Design for Sustainable Energy for All. Green Energy and Technology, 2018, , 141-198. | 0.6 | 0 |
| 44 | Understanding the present and the future electricity needs: Consequences for design of future Solar Home Systems for off-grid rural electrification. , 2017, , . | | 10 |
| 45 | Influence of Context Variation on Quality of Solutions: Experiences with Gasifier Stoves. Procedia Manufacturing, 2017, 8, 487-494. | 1.9 | 8 |
| 46 | The development of an energy efficient electric Mitad for baking injeras in Ethiopia. , 2017, , . | | 6 |
| 47 | Comparing Performance of Biomass Gasifier Stoves: Influence of a Multi-Context Approach. Sustainability, 2017, 9, 1140. | 3.2 | 4 |
| 48 | Introducing systems oriented design for complex societal contexts in design engineering education. FormAkademisk, 2017, 10, . | 0.4 | 3 |
| 49 | Considerations for an Access-Centered Design of the Fever Thermometer in Low-Resource Settings: A Literature Review. JMIR Human Factors, 2017, 4, e3. | 2.0 | 2 |
| 50 | Developing for developing nations: Exploring an affordable solar home system design. , 2016, , . | | 8 |
| 51 | Exploration of Deaf Peopleâ€™s Health Information Sources and Techniques for Information Delivery in Cape Town: A Qualitative Study for the Design and Development of a Mobile Health App. JMIR Human Factors, 2016, 3, e28. | 2.0 | 14 |
| 52 | New design challenges to widely implement â€™Sustainable Productâ€™Service Systemsâ€™. Journal of Cleaner Production, 2015, 97, 1-12. | 9.3 | 263 |
| 53 | Sustainable Product-Service System Design applied to Distributed Renewable Energy fostering the goal of sustainable energy for all. Journal of Cleaner Production, 2015, 97, 134-136. | 9.3 | 36 |
| 54 | Innovation process of new ventures driven by sustainability. Journal of Cleaner Production, 2013, 45, 50-60. | 9.3 | 118 |

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|----|---|-----|-----------|
| 55 | Energy and Sustainable Development. , 2013, , 7-57. | | 0 |
| 56 | Case F: Light Urban Mobility. , 2012, , 307-316. | | 0 |
| 57 | Why have "Sustainable Product-Service Systems"™ not been widely implemented?. Journal of Cleaner Production, 2012, 35, 288-290. | 9.3 | 59 |
| 58 | Gaining insight into unfamiliar contexts: A design toolbox as input for using role-play techniques. Interacting With Computers, 2006, 18, 956-976. | 1.5 | 14 |
| 59 | Integration of sustainability in regular courses: experiences in industrial design engineering. Journal of Cleaner Production, 2006, 14, 932-939. | 9.3 | 112 |
| 60 | Regression of coronary atherosclerosis during treatment of familial hypercholesterolemia with combined drug regimens. JAMA - Journal of the American Medical Association, 1990, 264, 3007-3012. | 7.4 | 519 |
| 61 | Gastrointestinal involvement in neurofibromatosis: Angiographic presentation. Gastrointestinal Radiology, 1985, 10, 163-165. | 0.4 | 7 |
| 62 | Successful embolization of a bleeding splenic artery pseudoaneurysm secondary to necrotizing pancreatitis. Gastrointestinal Radiology, 1982, 7, 379-382. | 0.4 | 45 |
| 63 | A Statistical Study of the Possible Relationship between Cancer of the Stomach and Soil. British Journal of Cancer, 1955, 9, 349-357. | 6.4 | 33 |
| 64 | A statistical study on the possible influence of soil and other geological conditions on cancer. Experientia, 1954, 10, 510-518. | 1.2 | 7 |
| 65 | ECO-QUEST, an ecodesign self audit tool for suppliers of the electronics industry. , 0, , . | | 6 |
| 66 | EcoBenchmarking for All. , 0, , . | | 2 |
| 67 | Ecodesign and Renewable Energy: How to Integrate Renewable Energy Technologies into Consumer Products. , 0, , . | | 6 |
| 68 | Ecodesign Knowledge Transfer: How to take the Economical and Cultural Context of the Receiver into Consideration. , 0, , . | | 0 |
| 69 | The Evolution of Design for Sustainability Courses. , 0, , . | | 4 |
| 70 | Ecodesign methodology development within the Indian European Ecodesign Program. , 0, , . | | 0 |
| 71 | Internet based Ecodesign education. , 0, , . | | 0 |
| 72 | The development of the Ecodesign course for Industrial Design students and professionals in India. , 0, , . | | 0 |