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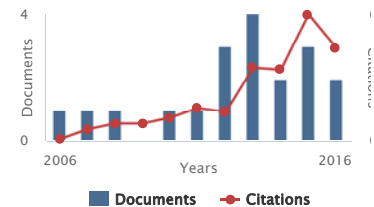
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|---|---|------|---|----|
| Smart solar tracking and on-site photovoltaic efficiency measurement system | Basnayake, B.A.D.J.C.K., Jayathilaka, W.A.D.M., Amarasinghe, Y.W.R., Attalage, R.A., Jayasekara, A.G.B.P. | 2016 | 2nd International Moratuwa Engineering Research Conference, MERCon 2016 | 0 |
| View at Publisher | Find it NTU | | | |
| A model for analyzing the thermal performance of roof configurations with flat inclined surfaces | Sirimanna, M.P.G., Attalage, R.A. | 2016 | Energy and Buildings | 0 |
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| A multi criterion analysis for renewable energy integration process of a standalone hybrid energy system with internal combustion generator | Perera, A.T.D., Nadeesh Madusanka, A., Attalage, R.A., Perera, K.K.C.K. | 2015 | Journal of Renewable and Sustainable Energy | 2 |
| View at Publisher | Find it NTU | | | |
| Steady state performance variation of domestic refrigerators under different ambient conditions of Sri Lanka | Anjana, H.M.K., Nimarshana, P.H.V., Attalage, R.A. | 2015 | MERCon 2015 - Moratuwa Engineering Research Conference | 0 |
| View at Publisher | Find it NTU | | | |
| A techno-economic analysis for an integrated solar PV/T system with thermal and electrical storage - Case study | Athukorala, A.U.C.D., Jayasuriya, W.J.A., Ragulageethan, S., (...), Attalage, R.A., Perera, A.T.D. | 2015 | MERCon 2015 - Moratuwa Engineering Research Conference | 1 |
| View at Publisher | Find it NTU | | | |
| Optimum sizing and tracking of combined cooling heating and power systems for bulk energy consumers | Jayasekara, S., Halgamuge, S.K., Attalage, R.A., Rajarathne, R. | 2014 | Applied Energy | 11 |
| View at Publisher | Find it NTU | | | |
| Optimization of building performance in terms of envelope elements through combined energy modelling and generic optimization | Bandara, R.M.P.S., Attalage, R.A. | 2014 | Applied Mechanics and Materials | 0 |
| View at Publisher | Find it NTU | | | |
| Optimal design of a grid connected hybrid electrical energy system using evolutionary computation | Perera, A.T.D., Attalage, R.A., Perera, K.K.C.K. | 2013 | 2013 IEEE 8th International Conference on Industrial and Information Systems, ICIIS 2013 - Conference Proceedings | 4 |
| View at Publisher | Find it NTU | | | |
| A hybrid tool to combine multi-objective optimization and multi-criterion decision making in designing standalone hybrid energy systems | Perera, A.T.D., Attalage, R.A., Perera, K.K.C.K., Dassanayake, V.P.C. | 2013 | Applied Energy | 43 |
| View at Publisher | Find it NTU | | | |
| Converting existing Internal Combustion Generator (ICG) systems into HESS in standalone applications | Perera, A.T.D., Attalage, R.A., Perera, K.K.C.K., Dassanayake, V.P.C. | 2013 | Energy Conversion and Management | 7 |

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2010 IEEE International Conference on Sustainable Energy Technologies, ICSET 2010 [View document](#)

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|--|--|------|--------|----|
| Designing standalone hybrid energy systems minimizing initial investment, life cycle cost and pollutant emission | Perera, A.T.D., Attalage, R.A., Perera, K.K.C.K., Dassanayake, V.P.C. | 2013 | Energy | 38 |
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| | | | | |
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| Numerical estimation of view factors for simple roof enclosures with five surfaces | Sirimanna, M.P.G., Perera, A.T.D., Attalage, R.A. | 2012 | Proceedings of the IASTED International Conference on Engineering and Applied Science, EAS 2012 | 1 |
|--|---|------|---|---|

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| | | | | |
|---|--|------|---|---|
| Multi objective optimization and multi criterion decision making in expanding existing standalone energy systems combining renewable energy sources | Perera, A.T.D., Sirimanna, M.P.G., Attalage, R.A., Perera, K.K.C.K., Dassanayake, V.P.C. | 2012 | Proceedings of the IASTED International Conference on Engineering and Applied Science, EAS 2012 | 0 |
|---|--|------|---|---|

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| | | | | |
|---|---|------|--------|----|
| Sensitivity of internal combustion generator capacity in standalone hybrid energy systems | Perera, A.T.D., Wickremasinghe, D.M.I.J., Mahindaratna, D.V.S., (...), Perera, K.K.C.K., Bartholameuz, E.M. | 2012 | Energy | 16 |
|---|---|------|--------|----|

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|---|--|------|--|---|
| Multi objective optimization of lifecycle cost, unmet load, and renewable energy capacity for an expansion of existing standalone Internal Combustion Generator (ICG) systems | Perera, A.T.D., Attalage, R.A., Perera, K.K.C.K. | 2011 | ASME 2011 5th International Conference on Energy Sustainability, ES 2011 | 2 |
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|--|---|------|---|---|
| Determining wind turbine capacity for expansion of off grid Internal Combustion Generators (ICG) system; why it becomes challenging? | Perera, A.T.D., Wickremasinghe, D.M.I.J., Mahindaratna, D.V.S., (...), Perera, K.K.C.K., Bartholameuz, E.M. | 2010 | 2010 IEEE International Conference on Sustainable Energy Technologies, ICSET 2010 | 7 |
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|---|---|------|--|---|
| Strengthening University-Industry linkage in developing countries through international cooperation: Case of Sri Lanka through cooperation of Toyohashi University of Technology, Japan | Homma, H., Ikeda, N., Attalage, R.A. | 2008 | Innovative Techniques in Instruction Technology, E-Learning, E-Assessment, and Education | 0 |
|---|---|------|--|---|

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|--|--|------|----------------------------------|---|
| Economy wide emission impacts of carbon and energy tax in electricity supply industry: A case study on Sri Lanka | Siriwardena, K., Wijayatunga, P.D.C., Fernando, W.J.L.S., Shrestha, R.M., Attalage, R.A. | 2007 | Energy Conversion and Management | 4 |
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|---|--|------|----------------------------------|----|
| Strategies to overcome barriers for cleaner generation technologies in small developing power systems: Sri Lanka case study | Wijayatunga, P.D.C., Siriwardena, K., Fernando, W.J.L.S., Shrestha, R.M., Attalage, R.A. | 2006 | Energy Conversion and Management | 28 |
|---|--|------|----------------------------------|----|

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|--|--|------|------------------------------------|----|
| Socio-economic impact of solar home systems in rural Sri Lanka: a case-study | Wijayatunga, P.D.C., Attalage, R.A. | 2005 | Energy for Sustainable Development | 20 |
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