

Eleanor S Lee

List of Publications by Year in descending order

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33
papers

1,196
citations

325952

19
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335069

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all docs

41
docs citations

41
times ranked

954
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Field validation of isotropic analytical models for simulating fabric shades. Building and Environment, 2023, 236, 110223. | 7.0 | 4 |
| 2 | Daylight simulation workflows incorporating measured bidirectional scattering distribution functions. Energy and Buildings, 2022, 259, 111890. | 6.8 | 14 |
| 3 | Advocating for view and daylight in buildings: Next steps. Energy and Buildings, 2022, 265, 112079. | 6.8 | 33 |
| 4 | Field validation of data-driven BSDF and peak extraction models for light-scattering fabric shades. Energy and Buildings, 2022, 262, 112002. | 6.8 | 12 |
| 5 | Window View Quality: Why It Matters and What We Should Do. LEUKOS - Journal of Illuminating Engineering Society of North America, 2022, 18, 259-267. | 2.9 | 19 |
| 6 | Evaluation of integrated daylighting and electric lighting design projects: Lessons learned from international case studies. Energy and Buildings, 2022, 268, 112191. | 6.8 | 13 |
| 7 | Potential annual daylighting performance of a high-efficiency daylight redirecting slat system. Building Simulation, 2021, 14, 495-510. | 5.6 | 8 |
| 8 | Comparative study on the overall energy performance between photovoltaic and Low-E insulated glass units. Solar Energy, 2021, 214, 443-456. | 6.2 | 24 |
| 9 | Modeling specular transmission of complex fenestration systems with data-driven BSDFs. Building and Environment, 2021, 196, 107774. | 7.0 | 21 |
| 10 | Solar energy integration in buildings. Applied Energy, 2020, 264, 114740. | 10.3 | 28 |
| 11 | An assessment of the load modifying potential of model predictive controlled dynamic facades within the California context. Energy and Buildings, 2020, 210, 109762. | 6.8 | 26 |
| 12 | Split-pane electrochromic window control based on an embedded photometric device with real-time daylighting computing. Building and Environment, 2019, 161, 106229. | 7.0 | 2 |
| 13 | Study on the overall energy performance of a novel c-Si based semitransparent solar photovoltaic window. Applied Energy, 2019, 242, 854-872. | 10.3 | 95 |
| 14 | Modeling the direct sun component in buildings using matrix algebraic approaches: Methods and validation. Solar Energy, 2018, 160, 380-395. | 6.2 | 56 |
| 15 | Efficient modeling of optically-complex, non-coplanar exterior shading: Validation of matrix algebraic methods. Energy and Buildings, 2018, 174, 464-483. | 6.8 | 18 |
| 16 | Daylight performance of a microstructured prismatic window film in deep open plan offices. Building and Environment, 2017, 113, 280-297. | 7.0 | 35 |
| 17 | Balancing daylight, glare, and energy-efficiency goals: An evaluation of exterior coplanar shading systems using complex fenestration modeling tools. Energy and Buildings, 2016, 112, 279-298. | 6.8 | 75 |
| 18 | Assessment of the Potential to Achieve very Low Energy Use in Public Buildings in China with Advanced Window and Shading Systems. Buildings, 2015, 5, 668-699. | 3.2 | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Integrated control of dynamic facades and distributed energy resources for energy cost minimization in commercial buildings. <i>Solar Energy</i> , 2015, 122, 1384-1397. | 6.2 | 25 |
| 20 | Angular selective window systems: Assessment of technical potential for energy savings. <i>Energy and Buildings</i> , 2015, 90, 188-206. | 6.8 | 35 |
| 21 | Measured daylighting potential of a static optical louver system under real sun and sky conditions. <i>Building and Environment</i> , 2015, 92, 347-359. | 7.0 | 31 |
| 22 | United States energy and CO2 savings potential from deployment of near-infrared electrochromic window glazings. <i>Building and Environment</i> , 2015, 89, 107-117. | 7.0 | 132 |
| 23 | Acceleration of the matrix multiplication of Radiance three phase daylighting simulations with parallel computing on heterogeneous hardware of personal computer. <i>Journal of Building Performance Simulation</i> , 2014, 7, 152-163. | 2.1 | 17 |
| 24 | Empirical Assessment of a Prismatic Daylight-Redirecting Window Film in a Full-Scale Office Testbed. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2014, 10, 19-45. | 2.9 | 17 |
| 25 | Examination of the technical potential of near-infrared switching thermochromic windows for commercial building applications. <i>Solar Energy Materials and Solar Cells</i> , 2014, 123, 65-80. | 6.3 | 106 |
| 26 | Monitored lighting energy savings from dimmable lighting controls in The New York Times Headquarters Building. <i>Energy and Buildings</i> , 2014, 68, 498-514. | 6.8 | 49 |
| 27 | U.S. energy savings potential from dynamic daylighting control glazings. <i>Energy and Buildings</i> , 2013, 66, 415-423. | 6.8 | 48 |
| 28 | An empirical study of a full-scale polymer thermochromic window and its implications on material science development objectives. <i>Solar Energy Materials and Solar Cells</i> , 2013, 116, 14-26. | 6.3 | 57 |
| 29 | Regional performance targets for transparent near-infrared switching electrochromic window glazings. <i>Building and Environment</i> , 2013, 61, 160-168. | 7.0 | 88 |
| 30 | Performance of integrated systems of automated roller shade systems and daylight responsive dimming systems. <i>Building and Environment</i> , 2011, 46, 747-757. | 7.0 | 23 |
| 31 | A Preliminary Study on the Performance of Daylight Responsive Dimming Systems with Improved Closed-Loop Control Algorithm. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2011, 8, 41-59. | 2.9 | 3 |
| 32 | Light-scattering properties of a woven shade-screen material used for daylighting and solar heat-gain control. <i>Proceedings of SPIE</i> , 2008, , . | 1.0 | 6 |
| 33 | Effects of Overhangs on the Performance of Electrochromic Windows. <i>Architectural Science Review</i> , 2006, 49, 349-356. | 2.1 | 2 |