# Kevin G Van Den Wymelenberg

List of Publications by Year
in descending order



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|---|---|---|---|
| 41 papers | 1,810 citations | 394286 19 h-index | 315616 38 g-index |
| 53 all docs | 53 docs citations | 53 times ranked | 2185 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 2019 Novel Coronavirus (COVID-19) Pandemic: Built Environment Considerations To Reduce Transmission. MSystems, 2020, 5, . | 1.7 | 302 |
| 2 | Revealing occupancy patterns in an office building through the use of occupancy sensor data. Energy and Buildings, 2013, 67, 587-595. | 3.1 | 204 |
| 3 | Patterns of occupant interaction with window blinds: A literature review. Energy and Buildings, 2012, 51, 165-176. | 3.1 | 162 |
| 4 | A Critical Investigation of Common Lighting Design Metrics for Predicting Human Visual Comfort in Offices with Daylight. LEUKOS - Journal of Illuminating Engineering Society of North America, 2014, 10, 145-164. | 1.5 | 138 |
| 5 | Oversizing of HVAC system: Signatures and penalties. Energy and Buildings, 2011, 43, 468-475. | 3.1 | 85 |
| 6 | The Effect of Luminance Distribution Patterns on Occupant Preference in a Daylit Office Environment. LEUKOS - Journal of Illuminating Engineering Society of North America, 2010, 7, 103-122. | 1.5 | 83 |
| 7 | Assessment of human exposure to triclocarban, triclosan and five parabens in U.S. indoor dust using dispersive solid phase extraction followed by liquid chromatography tandem mass spectrometry. Journal of Hazardous Materials, 2018, 360, 623-630. | 6.5 | 79 |
| 8 | Building upon current knowledge and techniques of indoor microbiology to construct the next era of theory into microorganisms, health, and the built environment. Journal of Exposure Science and Environmental Epidemiology, 2020, 30, 219-235. | 1.8 | 75 |
| 9 | Antimicrobial Chemicals Associate with Microbial Function and Antibiotic Resistance Indoors. MSystems, 2018, 3, . | 1.7 | 63 |
| 10 | Daylight exposure modulates bacterial communities associated with household dust. Microbiome, 2018, 6, 175. | 4.9 | 62 |
| 11 | Evaluating a New Suite of Luminance-Based Design Metrics for Predicting Human Visual Comfort in Offices with Daylight. LEUKOS - Journal of Illuminating Engineering Society of North America, 2016, 12, 113-138. | 1.5 | 50 |
| 12 | Visual Comfort, Discomfort Glare, and Occupant Fenestration Control: Developing a Research Agenda. LEUKOS - Journal of Illuminating Engineering Society of North America, 2014, 10, 207-221. | 1.5 | 45 |
| 13 | Cleanliness in context: reconciling hygiene with a modern microbial perspective. Microbiome, 2017, 5, 76. | 4.9 | 42 |
| 14 | Understanding Controls, Behaviors and Satisfaction in the Daylit perimeter office: A Daylight Design Case Study. Journal of Interior Design, 2012, 37, 17-34. | 0.4 | 35 |
| 15 | Identification of SARSâ€CoVâ€2 RNA in healthcare heating, ventilation, and air conditioning units. Indoor Air, 2021, 31, 1826-1832. | 2.0 | 26 |
| 16 | A pilot daylighting field study: Testing the usefulness of laboratory-derived luminance-based metrics for building design and control. Building and Environment, 2017, 113, 78-91. | 3.0 | 24 |
| 17 | Assessing the energy and daylighting impacts of human behavior with window shades, a life-cycle comparison of manual and automated blinds. Automation in Construction, 2018, 92, 133-150. | 4.8 | 22 |
| 18 | From one species to another: A review on the interaction between chemistry and microbiology in relation to cleaning in the built environment. Indoor Air, 2019, 29, 880-894. | 2.0 | 22 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Quantifying Environmental Mitigation of Aerosol Viral Load in a Controlled Chamber With Participants Diagnosed With Coronavirus Disease 2019. Clinical Infectious Diseases, 2022, 75, e174-e184. | 2.9 | 22 |
| 20 | Revisiting the Daylit Area: Examining Daylighting Performance Using Subjective Human Evaluations and Simulated Compliance with the LEED Version 4 Daylight Credit. LEUKOS - Journal of Illuminating Engineering Society of North America, 2017, 13, 107-123. | 1.5 | 20 |
| 21 | A daylighting field study using human feedback and simulations to test and improve recently adopted annual daylight performance metrics. Journal of Building Performance Simulation, 2017, 10, 471-483. | 1.0 | 18 |
| 22 | Assessing the Visual Comfort, Visual Interest of Sunlight Patterns, and View Quality under Different Window Conditions in an Open-Plan Office. LEUKOS - Journal of Illuminating Engineering Society of North America, 2021, 17, 321-337. | 1.5 | 17 |
| 23 | A Quantitative Risk Estimation Platform for Indoor Aerosol Transmission of COVIDâ€19. Risk Analysis, 2022, 42, 2075-2088. | 1.5 | 17 |
| 24 | Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Environmental Contamination and Childbirth. Obstetrics and Gynecology, 2020, 136, 827-829. | 1.2 | 16 |
| 25 | Evaluation of a bioaerosol sampler for indoor environmental surveillance of Severe Acute Respiratory Syndrome Coronavirus 2. PLoS ONE, 2021, 16, e0257689. | 1.1 | 12 |
| 26 | Comparing Whole Building Energy Implications of Sidelighting Systems with Alternate Manual Blind Control Algorithms. Buildings, 2015, 5, 467-496. | 1.4 | 11 |
| 27 | Energy and demand implication of using recommended practice occupancy diversity factors compared to real occupancy data in whole building energy simulation. Journal of Building Performance Simulation, 2015, 8, 408-423. | 1.0 | 11 |
| 28 | Monitored Indoor Environmental Quality of a Mass Timber Office Building: A Case Study. Buildings, 2019, 9, 142. | 1.4 | 11 |
| 29 | Intensity and ratios of light affecting perception of space, co-presence and surrounding context, a lab experiment. Building and Environment, 2021, 194, 107680. | 3.0 | 11 |
| 30 | Lessons learned from implementing night ventilation of mass in a next-generation smart building. Energy and Buildings, 2020, 207, 109547. | 3.1 | 10 |
| 31 | Facing the Challenges of Integrated Design and Project Delivery. Energy Engineering: Journal of the Association of Energy Engineers, 2008, 105, 36-47. | 0.3 | 9 |
| 32 | Differing effects of four building materials on viable bacterial communities and VOCs. Developments in the Built Environment, 2021, 7, 100055. | 2.0 | 9 |
| 33 | Longitudinal analysis of built environment and aerosol contamination associated with isolated COVID-19 positive individuals. Scientific Reports, 2022, 12, 7395. | 1.6 | 8 |
| 34 | Evaluating Volatile Organic Compound Emissions from Cross-Laminated Timber Bonded with a Soy-Based Adhesive. Buildings, 2020, 10, 191. | 1.4 | 7 |
| 35 | Evaluating direct energy savings and market transformation effects: A decade of technical design assistance in the northwestern USA. Energy Policy, 2013, 52, 342-353. | 4.2 | 4 |
| 36 | Viable bacterial communities on hospital window components in patient rooms. PeerJ, 2020, 8, e9580. | 0.9 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | A Human Factors Study to Update a Recently Proposed Manual Blind Use Algorithm for Energy and Daylight Simulations. , 2018, , . | | 3 |
| 38 | Developing a Process for Continuous Commissioning. , 2018, , . | | 1 |
| 39 | Critical Capability Needs for Reduction of Transmission of SARS-CoV-2 Indoors. Frontiers in Bioengineering and Biotechnology, 2021, 9, 641599. | 2.0 | 1 |
| 40 | Understanding Flow of Energy in Buildings Using Modal Analysis Methodology. , 2013, , . | | 0 |
| 41 | Reply to McDonald, â€œProtections against the Risk of Airborne SARS-CoV-2 Infectionâ€• MSystems, 2020, 5, . | 1.7 | 0 |