

Yinping Zhang

List of Publications by Citations

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267
papers

11,685
citations

62
h-index

95
g-index

281
ext. papers

13,504
ext. citations

7.4
avg, IF

6.65
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 267 | Photocatalytic purification of volatile organic compounds in indoor air: A literature review. <i>Atmospheric Environment</i> , 2009 , 43, 2229-2246 | 5.3 | 637 |
| 266 | Application of latent heat thermal energy storage in buildings: State-of-the-art and outlook. <i>Building and Environment</i> , 2007 , 42, 2197-2209 | 6.5 | 429 |
| 265 | A simple method, the -history method, of determining the heat of fusion, specific heat and thermal conductivity of phase-change materials. <i>Measurement Science and Technology</i> , 1999 , 10, 201-205 | 2 | 307 |
| 264 | Review of thermal energy storage technologies based on PCM application in buildings. <i>Energy and Buildings</i> , 2013 , 67, 56-69 | 7 | 303 |
| 263 | Preparation, thermal performance and application of shape-stabilized PCM in energy efficient buildings. <i>Energy and Buildings</i> , 2006 , 38, 1262-1269 | 7 | 242 |
| 262 | Using phase change materials in photovoltaic systems for thermal regulation and electrical efficiency improvement: A review and outlook. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 43, 1273-1284 | 16.2 | 221 |
| 261 | Experimental study of under-floor electric heating system with shape-stabilized PCM plates. <i>Energy and Buildings</i> , 2005 , 37, 215-220 | 7 | 211 |
| 260 | An improved mass transfer based model for analyzing VOC emissions from building materials. <i>Atmospheric Environment</i> , 2003 , 37, 2497-2505 | 5.3 | 181 |
| 259 | Determination and risk assessment of by-products resulting from photocatalytic oxidation of toluene. <i>Applied Catalysis B: Environmental</i> , 2009 , 89, 570-576 | 21.8 | 170 |
| 258 | Can commonly-used fan-driven air cleaning technologies improve indoor air quality? A literature review. <i>Atmospheric Environment</i> , 2011 , 45, 4329-4343 | 5.3 | 165 |
| 257 | An experimental study of convective heat transfer with microencapsulated phase change material suspension: Laminar flow in a circular tube under constant heat flux. <i>Experimental Thermal and Fluid Science</i> , 2008 , 32, 1638-1646 | 3 | 153 |
| 256 | Ten cities cross-sectional questionnaire survey of children asthma and other allergies in China. <i>Science Bulletin</i> , 2013 , 58, 4182-4189 | | 152 |
| 255 | Influence of additives on thermal conductivity of shape-stabilized phase change material. <i>Solar Energy Materials and Solar Cells</i> , 2006 , 90, 1692-1702 | 6.4 | 150 |
| 254 | Modeling and simulation on the thermal performance of shape-stabilized phase change material floor used in passive solar buildings. <i>Energy and Buildings</i> , 2005 , 37, 1084-1091 | 7 | 146 |
| 253 | Risk assessment of population inhalation exposure to volatile organic compounds and carbonyls in urban China. <i>Environment International</i> , 2014 , 73, 33-45 | 12.9 | 145 |
| 252 | Influence of temperature on formaldehyde emission parameters of dry building materials. <i>Atmospheric Environment</i> , 2007 , 41, 3203-3216 | 5.3 | 134 |
| 251 | Novel insight and numerical analysis of convective heat transfer enhancement with microencapsulated phase change material slurries: laminar flow in a circular tube with constant heat flux. <i>International Journal of Heat and Mass Transfer</i> , 2002 , 45, 3163-3172 | 4.9 | 120 |

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| 250 | Modeling and experimental study on an innovative passive cooling system (VIP system). <i>Energy and Buildings</i> , 2003 , 35, 417-425 | 7 | 119 |
| 249 | Association of Ozone Exposure With Cardiorespiratory Pathophysiologic Mechanisms in Healthy Adults. <i>JAMA Internal Medicine</i> , 2017 , 177, 1344-1353 | 11.5 | 116 |
| 248 | An assessment of mixed type PCM-gypsum and shape-stabilized PCM plates in a building for passive solar heating. <i>Solar Energy</i> , 2007 , 81, 1351-1360 | 6.8 | 116 |
| 247 | Early life exposure to ambient air pollution and childhood asthma in China. <i>Environmental Research</i> , 2015 , 143, 83-92 | 7.9 | 115 |
| 246 | Modeling and simulation of under-floor electric heating system with shape-stabilized PCM plates. <i>Building and Environment</i> , 2004 , 39, 1427-1434 | 6.5 | 111 |
| 245 | Flow and heat transfer behaviors of phase change material slurries in a horizontal circular tube. <i>International Journal of Heat and Mass Transfer</i> , 2007 , 50, 2480-2491 | 4.9 | 110 |
| 244 | New concepts and approach for developing energy efficient buildings: Ideal specific heat for building internal thermal mass. <i>Energy and Buildings</i> , 2011 , 43, 1081-1090 | 7 | 105 |
| 243 | Analysis of the Dynamic Interaction Between SVOCs and Airborne Particles. <i>Aerosol Science and Technology</i> , 2013 , 47, 125-136 | 3.4 | 100 |
| 242 | Analytical optimization of interior PCM for energy storage in a lightweight passive solar room. <i>Applied Energy</i> , 2009 , 86, 2013-2018 | 10.7 | 100 |
| 241 | Assessing Human Exposure to Organic Pollutants in the Indoor Environment. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 12228-12263 | 16.4 | 98 |
| 240 | Reducing health risks from indoor exposures in rapidly developing urban China. <i>Environmental Health Perspectives</i> , 2013 , 121, 751-5 | 8.4 | 94 |
| 239 | C-history method: rapid measurement of the initial emittable concentration, diffusion and partition coefficients for formaldehyde and VOCs in building materials. <i>Environmental Science & Technology</i> , 2011 , 45, 3584-90 | 10.3 | 94 |
| 238 | The Tsinghua-Lancet Commission on Healthy Cities in China: unlocking the power of cities for a healthy China. <i>Lancet, The</i> , 2018 , 391, 2140-2184 | 40 | 91 |
| 237 | Heat transfer characteristics of microencapsulated phase change material slurry in laminar flow under constant heat flux. <i>Applied Energy</i> , 2009 , 86, 2661-2670 | 10.7 | 90 |
| 236 | Ideal thermophysical properties for free-cooling (or heating) buildings with constant thermal physical property material. <i>Energy and Buildings</i> , 2006 , 38, 1164-1170 | 7 | 87 |
| 235 | Formaldehyde and VOC emissions at different manufacturing stages of wood-based panels. <i>Building and Environment</i> , 2012 , 47, 197-204 | 6.5 | 86 |
| 234 | Experimental research on a kind of novel high temperature phase change storage heater. <i>Energy Conversion and Management</i> , 2006 , 47, 2211-2222 | 10.6 | 86 |
| 233 | Measurement of phthalates in skin wipes: estimating exposure from dermal absorption. <i>Environmental Science & Technology</i> , 2014 , 48, 7428-35 | 10.3 | 82 |

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| 232 | A model for analyzing the performance of photocatalytic air cleaner in removing volatile organic compounds. <i>Atmospheric Environment</i> , 2003 , 37, 3395-3399 | 5.3 | 82 |
| 231 | Preparation and flammability of high density polyethylene/paraffin/organophilic montmorillonite hybrids as a form stable phase change material. <i>Energy Conversion and Management</i> , 2007 , 48, 462-469 | 10.6 | 80 |
| 230 | Thermal analysis of a direct-gain room with shape-stabilized PCM plates. <i>Renewable Energy</i> , 2008 , 33, 1228-1236 | 8.1 | 79 |
| 229 | Indoor formaldehyde concentrations in urban China: Preliminary study of some important influencing factors. <i>Science of the Total Environment</i> , 2017 , 590-591, 394-405 | 10.2 | 76 |
| 228 | The effects of PM on asthmatic and allergic diseases or symptoms in preschool children of six Chinese cities, based on China, Children, Homes and Health (CCHH) project. <i>Environmental Pollution</i> , 2018 , 232, 329-337 | 9.3 | 75 |
| 227 | Role of aerosols in enhancing SVOC flux between air and indoor surfaces and its influence on exposure. <i>Atmospheric Environment</i> , 2012 , 55, 347-356 | 5.3 | 75 |
| 226 | Indoor phthalate concentration in residential apartments in Chongqing, China: Implications for preschool children's exposure and risk assessment. <i>Atmospheric Environment</i> , 2016 , 127, 34-45 | 5.3 | 74 |
| 225 | Review on thermal performance of phase change energy storage building envelope. <i>Science Bulletin</i> , 2009 , 54, 920-928 | 10.6 | 74 |
| 224 | Benzene, toluene and xylenes in newly renovated homes and associated health risk in Guangzhou, China. <i>Building and Environment</i> , 2014 , 72, 75-81 | 6.5 | 72 |
| 223 | An analytical mass transfer model for predicting VOC emissions from multi-layered building materials with convective surfaces on both sides. <i>International Journal of Heat and Mass Transfer</i> , 2007 , 50, 2069-2077 | 4.9 | 72 |
| 222 | Heat transfer of microencapsulated PCM slurry flow in a circular tube. <i>AIChE Journal</i> , 2008 , 54, 1110-1120 | 6 | 72 |
| 221 | Correlation of photocatalytic bactericidal effect and organic matter degradation of TiO ₂ . Part I: observation of phenomena. <i>Environmental Science & Technology</i> , 2009 , 43, 1180-4 | 10.3 | 70 |
| 220 | Impact of Clothing on Dermal Exposure to Phthalates: Observations and Insights from Sampling Both Skin and Clothing. <i>Environmental Science & Technology</i> , 2016 , 50, 4350-7 | 10.3 | 69 |
| 219 | Impact of temperature on the ratio of initial emittable concentration to total concentration for formaldehyde in building materials: theoretical correlation and validation. <i>Environmental Science & Technology</i> , 2015 , 49, 1537-44 | 10.3 | 69 |
| 218 | A general model for analyzing single surface VOC emission characteristics from building materials and its application. <i>Atmospheric Environment</i> , 2004 , 38, 113-119 | 5.3 | 69 |
| 217 | Thermal storage and nonlinear heat-transfer characteristics of PCM wallboard. <i>Energy and Buildings</i> , 2008 , 40, 1771-1779 | 7 | 68 |
| 216 | A new experimental method to determine specific heat capacity of inhomogeneous concrete material with incorporated microencapsulated-PCM. <i>Cement and Concrete Research</i> , 2014 , 55, 22-34 | 10.3 | 67 |
| 215 | A new method to estimate optimal phase change material characteristics in a passive solar room. <i>Energy Conversion and Management</i> , 2011 , 52, 2437-2441 | 10.6 | 67 |

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| 214 | Effect of water vapor on the by-products and decomposition rate of ppb-level toluene by photocatalytic oxidation. <i>Applied Catalysis B: Environmental</i> , 2013 , 132-133, 212-218 | 21.8 | 66 |
| 213 | Preparation of n-tetradecane-containing microcapsules with different shell materials by phase separation method. <i>Solar Energy Materials and Solar Cells</i> , 2009 , 93, 1817-1822 | 6.4 | 64 |
| 212 | Janus-like polymer particles prepared via internal phase separation from emulsified polymer/oil droplets. <i>Polymer</i> , 2009 , 50, 3361-3369 | 3.9 | 64 |
| 211 | Sources of indoor particulate matter (PM) and outdoor air pollution in China in relation to asthma, wheeze, rhinitis and eczema among pre-school children: Synergistic effects between antibiotics use and PM and second hand smoke. <i>Environment International</i> , 2019 , 125, 252-260 | 12.9 | 63 |
| 210 | Cardiopulmonary effects of overnight indoor air filtration in healthy non-smoking adults: A double-blind randomized crossover study. <i>Environment International</i> , 2018 , 114, 27-36 | 12.9 | 63 |
| 209 | Flammability and thermal properties of high density polyethylene/paraffin hybrid as a form-stable phase change material. <i>Journal of Applied Polymer Science</i> , 2006 , 99, 1320-1327 | 2.9 | 63 |
| 208 | Comprehensive influence of environmental factors on the emission rate of formaldehyde and VOCs in building materials: Correlation development and exposure assessment. <i>Environmental Research</i> , 2016 , 151, 734-741 | 7.9 | 63 |
| 207 | Performance of a hybrid heating system with thermal storage using shape-stabilized phase-change material plates. <i>Applied Energy</i> , 2007 , 84, 1068-1077 | 10.7 | 62 |
| 206 | Novel insight into VOC removal performance of photocatalytic oxidation reactors. <i>Indoor Air</i> , 2005 , 15, 291-300 | 5.4 | 62 |
| 205 | Asthma and rhinitis among Chinese children - Indoor and outdoor air pollution and indicators of socioeconomic status (SES). <i>Environment International</i> , 2018 , 115, 1-8 | 12.9 | 61 |
| 204 | Macro-meso two-scale model for predicting the VOC diffusion coefficients and emission characteristics of porous building materials. <i>Atmospheric Environment</i> , 2008 , 42, 5278-5290 | 5.3 | 61 |
| 203 | Indoor SVOC pollution in China: A review. <i>Science Bulletin</i> , 2010 , 55, 1469-1478 | | 60 |
| 202 | Simplified analysis of coupled heat and mass transfer processes in packed bed liquid desiccant-air contact system. <i>Solar Energy</i> , 2006 , 80, 121-131 | 6.8 | 60 |
| 201 | Characteristics and correlations of VOC emissions from building materials. <i>International Journal of Heat and Mass Transfer</i> , 2003 , 46, 4877-4883 | 4.9 | 59 |
| 200 | Reducing Indoor Levels of "Outdoor PM" in Urban China: Impact on Mortalities. <i>Environmental Science & Technology</i> , 2019 , 53, 3119-3127 | 10.3 | 58 |
| 199 | Impact of temperature on the initial emittable concentration of formaldehyde in building materials: experimental observation. <i>Indoor Air</i> , 2010 , 20, 523-9 | 5.4 | 58 |
| 198 | Understanding and controlling airborne organic compounds in the indoor environment: mass transfer analysis and applications. <i>Indoor Air</i> , 2016 , 26, 39-60 | 5.4 | 57 |
| 197 | Predicting dermal absorption of gas-phase chemicals: transient model development, evaluation, and application. <i>Indoor Air</i> , 2014 , 24, 292-306 | 5.4 | 54 |

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| 196 | A rapid and accurate method, ventilated chamber C-history method, of measuring the emission characteristic parameters of formaldehyde/VOCs in building materials. <i>Journal of Hazardous Materials</i> , 2013 , 261, 542-9 | 12.8 | 52 |
| 195 | Indoor formaldehyde removal by thermal catalyst: kinetic characteristics, key parameters, and temperature influence. <i>Environmental Science & Technology</i> , 2011 , 45, 5754-60 | 10.3 | 52 |
| 194 | A convenient method of measuring the thermal conductivity of biological tissue. <i>Physics in Medicine and Biology</i> , 1991 , 36, 1599-605 | 3.8 | 52 |
| 193 | Effect of TiO ₂ /adsorbent hybrid photocatalysts for toluene decomposition in gas phase. <i>Journal of Hazardous Materials</i> , 2009 , 168, 276-81 | 12.8 | 51 |
| 192 | Study of an electrical heating system with ductless air supply and shape-stabilized PCM for thermal storage. <i>Energy Conversion and Management</i> , 2007 , 48, 2016-2024 | 10.6 | 49 |
| 191 | Theoretical analysis of convective heat transfer enhancement of microencapsulated phase change material slurries. <i>Heat and Mass Transfer</i> , 2003 , 40, 59-66 | 2.2 | 49 |
| 190 | Dimensionless correlations to predict VOC emissions from dry building materials. <i>Atmospheric Environment</i> , 2007 , 41, 352-359 | 5.3 | 48 |
| 189 | C(m)-History Method, a Novel Approach to Simultaneously Measure Source and Sink Parameters Important for Estimating Indoor Exposures to Phthalates. <i>Environmental Science & Technology</i> , 2016 , 50, 825-34 | 10.3 | 47 |
| 188 | A new method to determine thermophysical properties of PCM-concrete brick. <i>Applied Energy</i> , 2013 , 112, 988-998 | 10.7 | 47 |
| 187 | A SPME-based method for rapidly and accurately measuring the characteristic parameter for DEHP emitted from PVC floorings. <i>Indoor Air</i> , 2017 , 27, 417-426 | 5.4 | 46 |
| 186 | Prediction of breakthrough curves for adsorption on activated carbon fibers in a fixed bed. <i>Carbon</i> , 2004 , 42, 3081-3085 | 10.4 | 46 |
| 185 | A general analytical model for formaldehyde and VOC emission/sorption in single-layer building materials and its application in determining the characteristic parameters. <i>Atmospheric Environment</i> , 2012 , 47, 288-294 | 5.3 | 45 |
| 184 | A mass transfer based method for measuring the reaction coefficients of a photocatalyst. <i>Atmospheric Environment</i> , 2007 , 41, 1221-1229 | 5.3 | 45 |
| 183 | Experimental research on laminar flow performance of phase change emulsion. <i>Applied Thermal Engineering</i> , 2006 , 26, 1238-1245 | 5.8 | 44 |
| 182 | Toxic volatile organic compounds in 20 homes in Shanghai: Concentrations, inhalation health risks, and the impacts of household air cleaning. <i>Building and Environment</i> , 2019 , 157, 309-318 | 6.5 | 43 |
| 181 | A new method for determining the initial mobile formaldehyde concentrations, partition coefficients, and diffusion coefficients of dry building materials. <i>Journal of the Air and Waste Management Association</i> , 2009 , 59, 819-25 | 2.4 | 43 |
| 180 | The influence of aerosol dynamics on indoor exposure to airborne DEHP. <i>Atmospheric Environment</i> , 2010 , 44, 1952-1959 | 5.3 | 43 |
| 179 | Analysis of thermal performance and energy savings of membrane based heat recovery ventilator. <i>Energy</i> , 2000 , 25, 515-527 | 7.9 | 43 |

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| 178 | Combined use of an electrostatic precipitator and a high-efficiency particulate air filter in building ventilation systems: Effects on cardiorespiratory health indicators in healthy adults. <i>Indoor Air</i> , 2018 , 28, 360-372 | 5.4 | 42 |
| 177 | Onset and remission of childhood wheeze and rhinitis across China - Associations with early life indoor and outdoor air pollution. <i>Environment International</i> , 2019 , 123, 61-69 | 12.9 | 42 |
| 176 | A new approach, based on the inverse problem and variation method, for solving building energy and environment problems: Preliminary study and illustrative examples. <i>Building and Environment</i> , 2015 , 91, 204-218 | 6.5 | 40 |
| 175 | Ideal thermal conductivity of a passive building wall: Determination method and understanding. <i>Applied Energy</i> , 2013 , 112, 967-974 | 10.7 | 38 |
| 174 | Enhanced Photocatalytic Properties of SnO ₂ Nanocrystals with Decreased Size for ppb-level Acetaldehyde Decomposition. <i>ChemCatChem</i> , 2011 , 3, 371-377 | 5.2 | 38 |
| 173 | Variable volume loading method: a convenient and rapid method for measuring the initial emittable concentration and partition coefficient of formaldehyde and other aldehydes in building materials. <i>Environmental Science & Technology</i> , 2011 , 45, 10111-6 | 10.3 | 37 |
| 172 | Ultrafine particle concentrations and exposures in four high-rise Beijing apartments. <i>Atmospheric Environment</i> , 2011 , 45, 7574-7582 | 5.3 | 36 |
| 171 | Assessing and controlling infection risk with Wells-Riley model and spatial flow impact factor (SFIF). <i>Sustainable Cities and Society</i> , 2021 , 67, 102719 | 10.1 | 35 |
| 170 | Common cold among pre-school children in China - associations with ambient PM and dampness, mould, cats, dogs, rats and cockroaches in the home environment. <i>Environment International</i> , 2017 , 103, 13-22 | 12.9 | 34 |
| 169 | Experimental study of a compact electrostatically assisted air coarse filter for efficient particle removal: Synergistic particle charging and filter polarizing. <i>Building and Environment</i> , 2018 , 135, 153-161 | 6.5 | 32 |
| 168 | The influence of air cleaners on indoor particulate matter components and oxidative potential in residential households in Beijing. <i>Science of the Total Environment</i> , 2018 , 626, 507-518 | 10.2 | 32 |
| 167 | An improved extraction method to determine the initial emittable concentration and the partition coefficient of VOCs in dry building materials. <i>Atmospheric Environment</i> , 2009 , 43, 4102-4107 | 5.3 | 32 |
| 166 | Simulation of VOC emissions from building materials by using the state-space method. <i>Building and Environment</i> , 2009 , 44, 471-478 | 6.5 | 32 |
| 165 | Health risk assessment of inhalation exposure to formaldehyde and benzene in newly remodeled buildings, Beijing. <i>PLoS ONE</i> , 2013 , 8, e79553 | 3.7 | 32 |
| 164 | Ozone, Electrostatic Precipitators, and Particle Number Concentrations: Correlations Observed in a Real Office during Working Hours. <i>Environmental Science & Technology</i> , 2016 , 50, 10236-44 | 10.3 | 31 |
| 163 | Phthalates in dust collected from various indoor environments in Beijing, China and resulting non-dietary human exposure. <i>Building and Environment</i> , 2017 , 124, 315-322 | 6.5 | 30 |
| 162 | Association Between Bedroom Particulate Matter Filtration and Changes in Airway Pathophysiology in Children With Asthma. <i>JAMA Pediatrics</i> , 2020 , 174, 533-542 | 8.3 | 30 |
| 161 | A reference method for measuring emissions of SVOCs in small chambers. <i>Building and Environment</i> , 2016 , 95, 126-132 | 6.5 | 30 |

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| 160 | The impact of mass transfer limitations on size distributions of particle associated SVOCs in outdoor and indoor environments. <i>Science of the Total Environment</i> , 2014 , 497-498, 401-411 | 10.2 | 30 |
| 159 | An in-situ thermally regenerated air purifier for indoor formaldehyde removal. <i>Indoor Air</i> , 2018 , 28, 266-275 | 3.7 | 30 |
| 158 | Influence of fins on formaldehyde removal in annular photocatalytic reactors. <i>Building and Environment</i> , 2008 , 43, 238-245 | 6.5 | 29 |
| 157 | Assessing Human Exposure to SVOCs in Materials, Products, and Articles: A Modular Mechanistic Framework. <i>Environmental Science & Technology</i> , 2021 , 55, 25-43 | 10.3 | 29 |
| 156 | Sources of volatile organic compounds in suburban homes in Shanghai, China, and the impact of air filtration on compound concentrations. <i>Chemosphere</i> , 2019 , 231, 256-268 | 8.4 | 28 |
| 155 | Using Low-cost sensors to Quantify the Effects of Air Filtration on Indoor and Personal Exposure Relevant PM2.5 Concentrations in Beijing, China. <i>Aerosol and Air Quality Research</i> , 2020 , 20, 297-313 | 4.6 | 28 |
| 154 | Dampness and mold in homes across China: Associations with rhinitis, ocular, throat and dermal symptoms, headache and fatigue among adults. <i>Indoor Air</i> , 2019 , 29, 30-42 | 5.4 | 28 |
| 153 | Indoor particle age, a new concept for improving the accuracy of estimating indoor airborne SVOC concentrations, and applications. <i>Building and Environment</i> , 2018 , 136, 88-97 | 6.5 | 27 |
| 152 | Improved C-history method for rapidly and accurately measuring the characteristic parameters of formaldehyde/VOCs emitted from building materials. <i>Building and Environment</i> , 2018 , 143, 570-578 | 6.5 | 27 |
| 151 | Association between the emission rate and temperature for chemical pollutants in building materials: general correlation and understanding. <i>Environmental Science & Technology</i> , 2013 , 47, 8540-7 | 10.3 | 27 |
| 150 | Residential risk factors for childhood pneumonia: A cross-sectional study in eight cities of China. <i>Environment International</i> , 2018 , 116, 83-91 | 12.9 | 26 |
| 149 | Determination of the equivalent emission parameters of wood-based furniture by applying C-history method. <i>Atmospheric Environment</i> , 2011 , 45, 5602-5611 | 5.3 | 26 |
| 148 | Membrane-based humidity pump: performance and limitations. <i>Journal of Membrane Science</i> , 2000 , 171, 207-216 | 9.6 | 26 |
| 147 | Predicting Dermal Exposure to Gas-Phase Semivolatile Organic Compounds (SVOCs): A Further Study of SVOC Mass Transfer between Clothing and Skin Surface Lipids. <i>Environmental Science & Technology</i> , 2018 , 52, 4676-4683 | 10.3 | 25 |
| 146 | Energy-Efficient Building Envelopes with Phase-Change Materials: New Understanding and Related Research. <i>Heat Transfer Engineering</i> , 2014 , 35, 970-984 | 1.7 | 25 |
| 145 | Study on characteristics of double surface VOC emissions from dry flat-plate building materials. <i>Science Bulletin</i> , 2006 , 51, 2287-2293 | | 25 |
| 144 | Influence of humidity on the initial emittable concentration of formaldehyde and hexaldehyde in building materials: experimental observation and correlation. <i>Scientific Reports</i> , 2016 , 6, 23388 | 4.9 | 25 |
| 143 | Household dampness-related exposures in relation to childhood asthma and rhinitis in China: A multicentre observational study. <i>Environment International</i> , 2019 , 126, 735-746 | 12.9 | 24 |

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| 142 | The impact of household air cleaners on the chemical composition and children's exposure to PM metal sources in suburban Shanghai. <i>Environmental Pollution</i> , 2019 , 253, 190-198 | 9.3 | 24 |
| 141 | A standard reference for chamber testing of material VOC emissions: Design principle and performance. <i>Atmospheric Environment</i> , 2012 , 47, 381-388 | 5.3 | 24 |
| 140 | Exploring buildings' secrets: The ideal thermophysical properties of a building's wall for energy conservation. <i>International Journal of Heat and Mass Transfer</i> , 2013 , 65, 265-273 | 4.9 | 24 |
| 139 | Analytical optimization of specific heat of building internal envelope. <i>Energy Conversion and Management</i> , 2012 , 63, 239-244 | 10.6 | 24 |
| 138 | Measuring the characteristic parameters of VOC emission from paints. <i>Building and Environment</i> , 2013 , 66, 65-71 | 6.5 | 23 |
| 137 | Indoor decorating and refurbishing materials and furniture volatile organic compounds emission labeling systems: A review. <i>Science Bulletin</i> , 2012 , 57, 2533-2543 | | 23 |
| 136 | Convenient, rapid and accurate measurement of SVOC emission characteristics in experimental chambers. <i>PLoS ONE</i> , 2013 , 8, e72445 | 3.7 | 23 |
| 135 | The impact of household air cleaners on the oxidative potential of PM and the role of metals and sources associated with indoor and outdoor exposure. <i>Environmental Research</i> , 2020 , 181, 108919 | 7.9 | 23 |
| 134 | Relations between indoor and outdoor PM2.5 and constituent concentrations. <i>Frontiers of Environmental Science and Engineering</i> , 2019 , 13, 1 | 5.8 | 23 |
| 133 | Early stage C-history method: Rapid and accurate determination of the key SVOC emission or sorption parameters of indoor materials. <i>Building and Environment</i> , 2016 , 95, 314-321 | 6.5 | 22 |
| 132 | Characterizing the equilibrium relationship between DEHP in PVC flooring and air using a closed-chamber SPME method. <i>Building and Environment</i> , 2016 , 95, 283-290 | 6.5 | 22 |
| 131 | TRPV1 and TRPA1 in Lung Inflammation and Airway Hyperresponsiveness Induced by Fine Particulate Matter (PM). <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 7450151 | 6.7 | 22 |
| 130 | Labeling of volatile organic compounds emissions from Chinese furniture: Consideration and practice. <i>Science Bulletin</i> , 2013 , 58, 3499-3506 | | 22 |
| 129 | A General Model for Analyzing the Thermal Performance of the Heat Charging and Discharging Processes of Latent Heat Thermal Energy Storage Systems*. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2001 , 123, 232-236 | 2.3 | 22 |
| 128 | Transient Method for Determining Indoor Chemical Concentrations Based on SPME: Model Development and Calibration. <i>Environmental Science & Technology</i> , 2016 , 50, 9452-9 | 10.3 | 22 |
| 127 | Negative ions offset cardiorespiratory benefits of PM reduction from residential use of negative ion air purifiers. <i>Indoor Air</i> , 2021 , 31, 220-228 | 5.4 | 22 |
| 126 | Asthma and allergic rhinitis among young parents in China in relation to outdoor air pollution, climate and home environment. <i>Science of the Total Environment</i> , 2021 , 751, 141734 | 10.2 | 22 |
| 125 | Asthma, allergic rhinitis and eczema among parents of preschool children in relation to climate, and dampness and mold in dwellings in China. <i>Environment International</i> , 2019 , 130, 104910 | 12.9 | 21 |

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| 124 | From heat exchanger to heat adaptor: Concept, analysis and application. <i>Applied Energy</i> , 2014 , 115, 272-279 | 21 |
| 123 | VOC emissions from a LIFE reference: Small chamber tests and factorial studies. <i>Building and Environment</i> , 2012 , 57, 282-289 | 6.5 21 |
| 122 | Indoor exposure levels of bacteria and fungi in residences, schools, and offices in China: A systematic review. <i>Indoor Air</i> , 2020 , 30, 1147-1165 | 5.4 21 |
| 121 | Home environment in relation to allergic rhinitis among preschool children in Beijing, China: A cross-sectional study. <i>Building and Environment</i> , 2015 , 93, 54-63 | 6.5 20 |
| 120 | Neurobehavioral changes induced by di(2-ethylhexyl) phthalate and the protective effects of vitamin E in Kunming mice. <i>Toxicology Research</i> , 2015 , 4, 1006-1015 | 2.6 20 |
| 119 | Associations of personal exposure to air pollutants with airway mechanics in children with asthma. <i>Environment International</i> , 2020 , 138, 105647 | 12.9 20 |
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