



Frontiers of Architectural Research

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**Subject Area and Category**  
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[Building and Construction](#)  
  
[Social Sciences](#)  
[Archeology](#)  
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**Publisher** [Elsevier BV](#)

**Publication type** Journals

**ISSN** 20952635

**Coverage** 2012-ongoing

**Scope** Frontiers of Architectural Research is an international journal that publishes original research papers, review articles, and case studies to promote rapid communication and exchange among scholars, architects, and engineers. This journal introduces and reviews significant and pioneering achievements in the field of architecture research. Subject areas include the primary branches of architecture, such as architectural design and theory, architectural science and technology, urban planning, landscaping architecture, existing building renovation, and architectural heritage conservation. The journal encourages studies based on a rigorous scientific approach and state-of-the-art technology. All published papers reflect original research works and basic theories, models, computing, and design in architecture. High-quality papers addressing the social aspects of architecture are also welcome. This journal is strictly peer-reviewed and accepts only original manuscripts submitted in English.



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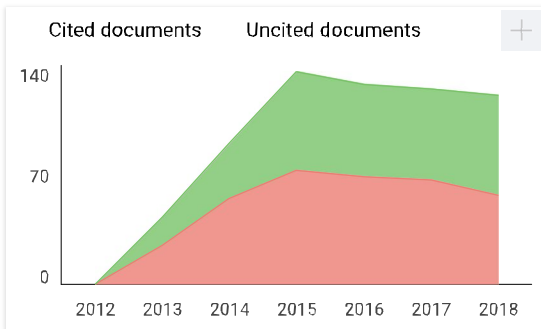
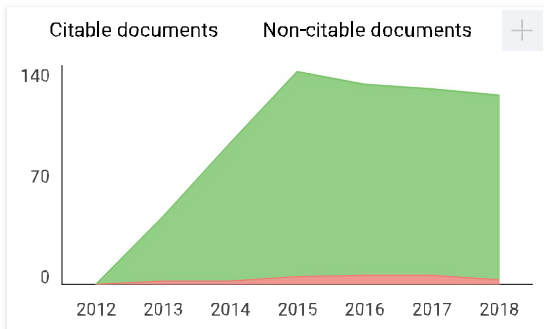
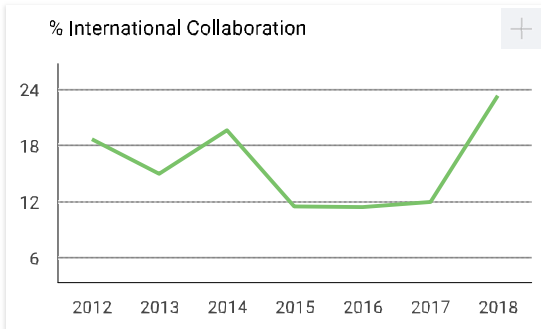
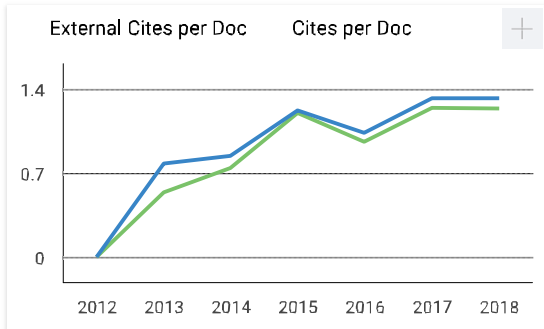
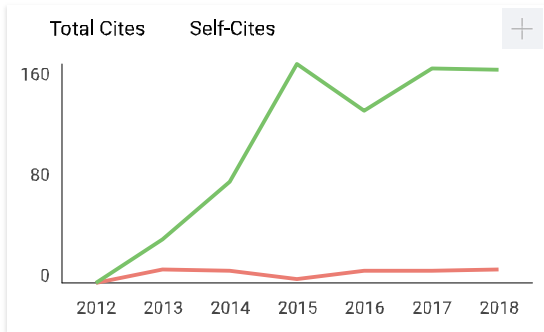
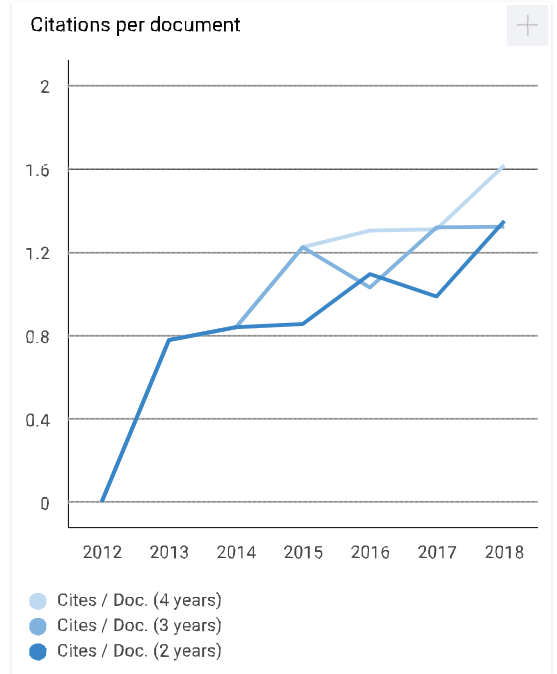
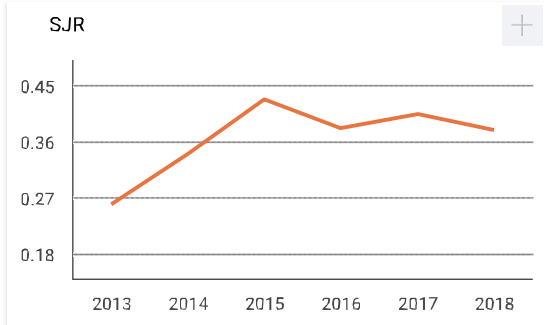
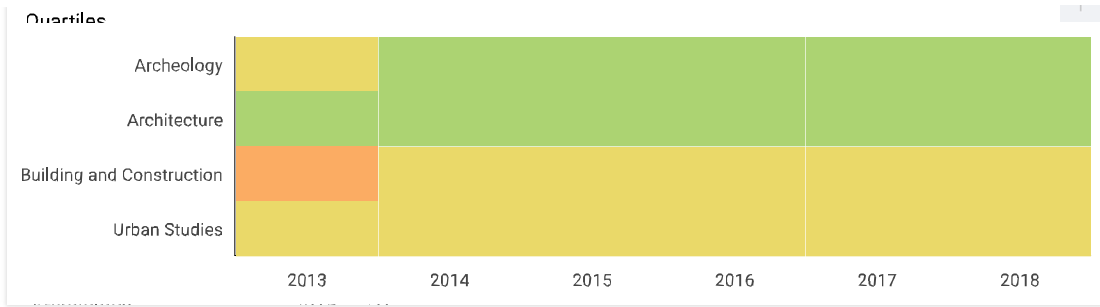
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E-ISSN: 2095-2635

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**Reviewer Invitation for FOAR-D-18-00050**

1 message

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**Frontiers of Architectural Research** <eesserver@eesmail.elsevier.com>  
Reply-To: Frontiers of Architectural Research <foar@pub.seu.edu.cn>  
To: fermantol@ft.untar.ac.id

Mon, Jan 21, 2019 at 1:41 PM

Ms. Ref. No.: FOAR-D-18-00050

Title: Dark Matter Garden, RHS Chelsea Flower Show: a case study in algorithmic modelling and digital fabrication of complex steel structures  
Frontiers of Architectural Research

Dear Dr. Fermanto Lianto,

Frontiers of Architectural Research (FoAR) is an international journal that publishes original research papers, review articles, and case studies to promote rapid communication and exchange among scholars, architects, and engineers. Topics include but not limited to: (1) Architectural design and theory, (2) Architectural science and technology, (3) Urban planning, (4) Landscaping architecture, (5) Existing building renovation and architectural heritage conservation, (6) Education for architects, urban planners, and other architecture related professions. The journal encourages papers to take a rigorous scientific approach and apply state-of-the-art technology. High standard papers dealing with the social aspects of architecture are also welcome.

Given your expertise in this area, I would appreciate your comments on the above paper. I have included the abstract of the manuscript below to provide you with an overview.

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I look forward to hearing from you in the near future.

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Yours sincerely,

Xing Shi, Ph.D.  
Associate Editor in Chief  
Frontiers of Architectural Research

**ABSTRACT:**

This paper is focusing on the application of algorithmic modelling techniques in order to represent, design and fabricate gravitational lens effects (as described by the astrophysical theory of the 'Dark Matter') in form of a garden pavilion for the Royal Horticultural Society's, Chelsea Flower Show. In addition, this research-led project is exploring the challenges

occurring in the use of three-dimensional CNC bending technologies. Its findings are highlighting accomplishments and failures of a file to factory design and fabrication process, which incorporates algorithmic modelling and digital manufacturing techniques in a collaborative environment. The 'Dark Matter Garden' installation was awarded the gold medal for 'Best Fresh Garden' by the Royal Horticultural Society in 2015.

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**Dr. Ir. Fermanto Lianto, M.T**

Untuk melaksanakan **Reviewer** dengan data sebagai berikut:

Nama Jurnal : **Frontiers of Architectural Research – Scopus Q1**  
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Waktu Pelaksanaan : **Semester Genap 2018/2019**

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22 Mei 2020

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