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Visualização de impressão

AJUDA (/HELP)

Palavras-Chave

eco-efficient construction and building materials, mechanical properties, construction and demolition wastes, embodied energy, toxicity of building materials, construction materials biotech based, geopolymers, bio inspired construction materials, alkali-activated cement-based binders (AACB), concrete durability, concrete nanotechnology, industrial waste recycling, civil engineering

Outras IDs

Scopus Author ID: 16319921900 (<http://www.scopus.com/inward/authorDetails.url?authorID=16319921900&partnerID=MN8TOARS>)

ResearcherID: C-5710-2012 (<http://www.researcherid.com/rid/C-5710-2012>)

Biografia

Principal Investigator at C-TAC Research Centre, University of Minho. Holds the Counsellor title of the Portuguese Engineers Association. Authored 300 publications, 119 in Scopus and 105 in Web of Science-WoS. His publications were viewed or downloaded so far almost 500.000 times and by 2025 it will reach more than one million times. Cited in 700 international patents. First author of 23 papers in ISI-A1 journals with a special mention. Four papers in the Top 1% most cited, seven papers in the Top 5% most cited, three in Top 10%, two papers in the Top 10 most cited SCI articles between more than 5500 and six papers in the Top 25 Hottest articles of Science Direct. Cited in more than 100 SCI journals including by Highly Cited authors (SCI h-index>60) in high impact factor journals like Nature Reviews Mat. (IF=52), Nature Energy (IF=47), Progress in Mater. Science (I.F.=24), Physics Reports (IF=20), Nature Climate Change (I.F.=19), Advanced Functional Mat. (I.F.=11.4), Annual Rev of Mat Res. (I.F.=10.4), Chem. Materials (I.F.=9.407). Overall citations received in ISI WoS journals-2457 (h-index=2), citations in Scopus journals -3270 (h-index=30) and citations in Scholar Google-5590 (h-index=36), Mendeley (h=42). Citations prediction for the year 2025 (around 4.500 citations on WoS, 7.000 citations on Scopus (already has more than 6000 MR) and 13.000 citations on Scholar Google). Future h-index prediction for the year 2025 using Körding's algorithm (WoS h-index=35, Scopus h-index=39). Has a K-index WoS=53 and a K-index SCI=61. Has a Platinum SCI-h=87 ((h-index/year)x(citations/SCI articles)) by far the highest in the field of Civil Engineering in Portugal.

Member of the editorial board of 8 international journals, 4 referenced on the Web of Science and two referenced on Scopus. In the last 5 years acted as Foreign Expert in the evaluation of 17 PhD thesis. In the last 10 years was a Member of the Scientific Committee of almost 50 conferences most of them in Asian countries. Grant assessor for several scientific institutions in 13 countries, UK, US, Netherlands, China, France, Australia, Kazakhstan, Belgium, Spain, Czech Republic, Saudi Arabia, UA.Emirates, Poland and also the EU Commission. Invited reviewer for 125 international journals for which he reviewed so far around 800 papers. By 2025 he will have reviewed more than 1.500 papers. His review record places him at the Top 0.1% between more than 500.000 reviewers registered in Publons. Currently ranks second place between more than 4000 reviewers in civil engineering and 9th place between almost 50.000 engineering reviewers. Member of the academic advisory committee of Publons. Member of the advisory committee of the Self-Healing Green Concrete Research Center at Sungkyunkwan University, South Korea.

Lead Editor of 17 international books published by WoodHead Publishing, Elsevier and Springer (9 being on the Master Book List of Web of Science): Carbon Dioxide Sequestration based Cementitious Construction Materials, Eco-efficient Repair and Rehabilitation of Concrete Infrastructures; Cost-Effective Energy Efficient Building Retrofitting; Start-up creation for the smart eco-efficient built environment; Nano- and Biotech-Based Materials for Energy Building Efficiency; Biopolymers and Biotech Admixtures for Eco-efficient Construction Materials, Eco-efficient materials for mitigating building cooling needs, Biotechnologies and Biomimetics for Civil Engineering; Nanotechnology for Eco-efficient construction; Nearly Zero Energy Building Refurbishment; Eco-efficient Masonry Bricks and Blocks; Handbook of alkali-activated cements, mortars and concretes; LCA and Eco-labeling and Cases Studies; Eco-efficient Concrete; Handbook of Recycled Concrete; Toxicity of Building Materials. Some of these books are available in the libraries of Harvard University, MIT and Stanford University and in all the libraries of the 10 most important Universities as per the Shanghai Ranking World Top 500 Universities. Has practiced as a professional Civil Engineer during 10 years (1993-2003) during which he participated in building design projects and on-site supervision activities amounting to an excess of 49 million euros. Member of the Portuguese Engineers Association since January of 1993, granted with the Senior title in November of 2003 and with the Counsellor title in March of 2016.