

# Iran Gomes da Rocha Segundo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4406469/publications.pdf>

Version: 2024-02-01

16  
papers

414  
citations

1040056

9  
h-index

940533

16  
g-index

17  
all docs

17  
docs citations

17  
times ranked

164  
citing authors

#	ARTICLE	IF	CITATIONS
1	Use and misuse of the Kubelka-Munk function to obtain the band gap energy from diffuse reflectance measurements. <i>Solid State Communications</i> , 2022, 341, 114573.	1.9	177
2	Assessment of photocatalytic, superhydrophobic and self-cleaning properties on hot mix asphalts coated with TiO <sub>2</sub> and/or ZnO aqueous solutions. <i>Construction and Building Materials</i> , 2018, 166, 500-509.	7.2	49
3	Review and analysis of advances in functionalized, smart, and multifunctional asphalt mixtures. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 151, 111552.	16.4	40
4	Photocatalytic asphalt pavement: the physicochemical and rheological impact of TiO <sub>2</sub> nano/microparticles and ZnO microparticles onto the bitumen. <i>Road Materials and Pavement Design</i> , 2019, 20, 1452-1467.	4.0	25
5	Traffic noise and pavement distresses: Modelling and assessment of input parameters influence through data mining techniques. <i>Applied Acoustics</i> , 2018, 138, 147-155.	3.3	23
6	Evaluation of band gap energy of TiO <sub>2</sub> precipitated from titanium sulphate. <i>Physica B: Condensed Matter</i> , 2022, 639, 414008.	2.7	21
7	Photocatalytic asphalt mixtures: Mechanical performance and impacts of traffic and weathering abrasion on photocatalytic efficiency. <i>Catalysis Today</i> , 2019, 326, 94-100.	4.4	16
8	Physicochemical and Rheological Properties of a Transparent Asphalt Binder Modified with Nano-TiO <sub>2</sub> . <i>Nanomaterials</i> , 2020, 10, 2152.	4.1	16
9	Photocatalytic asphalt mixtures: semiconductors' impact in skid resistance and texture. <i>Road Materials and Pavement Design</i> , 2019, 20, S578-S589.	4.0	12
10	Development of Photocatalytic 3D-Printed Cementitious Mortars: Influence of the Curing, Spraying Time Gaps and TiO <sub>2</sub> Coating Rates. <i>Buildings</i> , 2021, 11, 381.	3.1	8
11	Misturas asfálticas recicladas a quente com incorporação de elevado percentual de fresado como alternativa para camada de m <sup>3</sup> dulo elevado. <i>Transportes</i> , 2016, 24, 85.	0.2	8
12	Functionalization of Smart Recycled Asphalt Mixtures: A Sustainability Scientific and Pedagogical Approach. <i>Sustainability</i> , 2022, 14, 573.	3.2	5
13	Surface rehabilitation of Portland cement concrete (PCC) pavements using single or double surface dressings with soft bitumen, conventional or modified emulsions. <i>Construction and Building Materials</i> , 2021, 281, 122611.	7.2	4
14	Photocatalytic performance of textiles coated with titanium dioxide-reduced graphene oxide system for degradation of crude petroleum under similar solar irradiation. <i>Journal of Materials Science</i> , 2022, 57, 8464-8480.	3.7	3
15	Asphalt Binder "Skincare": Aging Evaluation of an Asphalt Binder Modified by Nano-TiO <sub>2</sub> . <i>Nanomaterials</i> , 2022, 12, 1678.	4.1	3
16	Development of Capacitive-Type Sensors by Electrochemical Anodization: Humidity and Touch Sensing Applications. <i>Sensors</i> , 2021, 21, 7317.	3.8	2