Amir Tabakovic

List of Publications by Year
in descending order

23	697	686830 13	794141 19
papers	citations	h-index	g-index

24	24	24	434
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Selfâ€Healing Asphalt Review: From Idea to Practice. Advanced Materials Interfaces, 2018, 5, 1800536.	1.9	120
2	Calcium alginate capsules encapsulating rejuvenator as healing system for asphalt mastic. Construction and Building Materials, 2018, 169, 379-387.	3.2	87
3	Influence of Recycled Asphalt Pavement on Fatigue Performance of Asphalt Concrete Base Courses. Journal of Materials in Civil Engineering, 2010, 22, 643-650.	1.3	67
4	Self-Healing Technology for Asphalt Pavements. Advances in Polymer Science, 2015, , 285-306.	0.4	58
5	The reinforcement and healing of asphalt mastic mixtures by rejuvenator encapsulation in alginate compartmented fibres. Smart Materials and Structures, 2016, 25, 084003.	1.8	50
6	Developing maturity methods for the assessment of cold-mix bituminous materials. Construction and Building Materials, 2013, 38, 524-529.	3.2	48
7	An Evaluation of the Efficiency of Compartmented Alginate Fibres Encapsulating a Rejuvenator as an Asphalt Pavement Healing System. Applied Sciences (Switzerland), 2017, 7, 647.	1.3	36
8	Investigation of the Potential Use of Calcium Alginate Capsules for Self-Healing in Porous Asphalt Concrete. Materials, 2019, 12, 168.	1.3	36
9	The compartmented alginate fibres optimisation for bitumen rejuvenator encapsulation. Journal of Traffic and Transportation Engineering (English Edition), 2017, 4, 347-359.	2.0	34
10	Optimization of the Calcium Alginate Capsules for Self-Healing Asphalt. Applied Sciences (Switzerland), 2019, 9, 468.	1.3	30
11	Specification development for cold in-situ recycling of asphalt. Construction and Building Materials, 2016, 102, 318-328.	3.2	24
12	Modelling the quasi-static behaviour of bituminous material using a cohesive zone model. Engineering Fracture Mechanics, 2010, 77, 2403-2418.	2.0	21
13	Experimental Investigation of the Performance of a Hybrid Self-Healing System in Porous Asphalt under Fatigue Loadings. Materials, 2021, 14, 3415.	1.3	17
14	Optimizing the valorization of industrial by-products for the induction healing of asphalt mixtures. Construction and Building Materials, 2019, 228, 116715.	3.2	13
15	The Prospect of Microwave Heating: Towards a Faster and Deeper Crack Healing in Asphalt Pavement. Processes, 2021, 9, 507.	1.3	13
16	Microwave self-healing technology as airfield porous asphalt friction course repair and maintenance system. Case Studies in Construction Materials, 2019, 10, e00233.	0.8	10
17	Conductive Compartmented Capsules Encapsulating a Bitumen Rejuvenator. Processes, 2021, 9, 1361.	1.3	8
18	The influence of asphalt ageing on induction healing effect on porous asphalt concrete. RILEM Technical Letters, 0, 3, 98-103.	0.0	8

#	Article	IF	Citations
19	Recycled asphalt (RA) for pavements. , 2013, , 394-423.		7
20	The Effect of Conductive Alginate Capsules Encapsulating Rejuvenator (HealRoad Capsules) on the Healing Properties of 10 mm Stone Mastic Asphalt Mix. Applied Sciences (Switzerland), 2022, 12, 3648.	1.3	6
21	Bio-Binderâ€"Innovative Asphalt Technology. Applied Sciences (Switzerland), 2020, 10, 8655.	1.3	2
22	Compartmented Alginate Fibres as a Healing Agent (Rejuvenator) Delivery System and Reinforcement for Asphalt Pavemnets. , 2016, , .		1
23	Investigation of three interferometric techniques for detection of surface flaws in elastomers. , 2003, , .		0