

# Jovan Tatar

## List of Publications by Year in descending order

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17  
papers

384  
citations

933447

10  
h-index

888059

17  
g-index

17  
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docs citations

17  
times ranked

254  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of hygrothermal conditioning on epoxy adhesives used in FRP composites. <i>Construction and Building Materials</i> , 2015, 96, 679-689.	7.2	78
2	Comparison of laboratory and field environmental conditioning on FRP-concrete bond durability. <i>Construction and Building Materials</i> , 2016, 122, 525-536.	7.2	51
3	Characterization of adhesive interphase between epoxy and cement paste via Raman spectroscopy and mercury intrusion porosimetry. <i>Cement and Concrete Composites</i> , 2018, 88, 187-199.	10.7	39
4	Durability of Externally Bonded Fiber-Reinforced Polymer Composites in Concrete Structures: A Critical Review. <i>Polymers</i> , 2021, 13, 765.	4.5	35
5	A multiscale micromechanical model of adhesive interphase between cement paste and epoxy supported by nanomechanical evidence. <i>Composites Part B: Engineering</i> , 2019, 172, 679-689.	12.0	34
6	Bond Durability Factor for Externally Bonded CFRP Systems in Concrete Structures. <i>Journal of Composites for Construction</i> , 2016, 20, .	3.2	28
7	Effects of silane surface functionalization on interfacial fracture energy and durability of adhesive bond between cement paste and epoxy. <i>International Journal of Adhesion and Adhesives</i> , 2018, 84, 132-142.	2.9	21
8	Hygrothermal conditioning of wet-layup CFRP-concrete adhesive joints modified with silane coupling agent and core-shell rubber nanoparticles. <i>Construction and Building Materials</i> , 2019, 227, 116531.	7.2	21
9	Implementation of Bond Durability in the Design of Flexural Members with Externally Bonded FRP. <i>Journal of Composites for Construction</i> , 2016, 20, .	3.2	18
10	Durability of wet lay-up FRP bonded to concrete with nanomodified epoxy adhesives. <i>Journal of Adhesion</i> , 2020, 96, 1141-1166.	3.0	18
11	Structural Testing and Dissection of Carbon Fiber-Reinforced Polymer-Repaired Bridge Girders Taken Out of Service. <i>ACI Structural Journal</i> , 2016, 113, .	0.2	10
12	Rapid heat-activated post-tensioning of damaged reinforced concrete girders with unbonded near-surface mounted (NSM) NiTiNb shape-memory alloy wires. <i>Materials and Structures/Materiaux Et Constructions</i> , 2020, 53, 1.	3.1	9
13	Nanomechanical properties of cement Paste-Epoxy interphase following hygrothermal conditioning by water immersion. <i>Construction and Building Materials</i> , 2021, 282, 122695.	7.2	7
14	Performance of FRP-Strengthened Reinforced Concrete Bridge Girders after 12 Years of Service in Coastal Florida. <i>Journal of Composites for Construction</i> , 2021, 25, .	3.2	7
15	Performance of externally bonded fiber-reinforced polymer retrofits in the 2018 Cook Inlet Earthquake in Anchorage, Alaska. <i>Earthquake Spectra</i> , 2021, 37, 2342-2371.	3.1	4
16	High-Performance Impact-Resistant Concrete Mixture for Transportation Infrastructure Applications. <i>Transportation Research Record</i> , 2019, 2673, 628-635.	1.9	3
17	Materials characterization of FRP composite seismic retrofits after long-term service in a subarctic Alaskan environment. <i>Construction and Building Materials</i> , 2022, 340, 127810.	7.2	1