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Design Guidelines for Rapid Repair of Earthquake-Damaged Circular RC Bridge Columns Using CFRP

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#	Paper	IF	Citations
35	Rapid Repair of Severely Damaged RC Columns with Different Damage Conditions: An Experimental Study. <i>International Journal of Concrete Structures and Materials</i> , 2013 , 7, 35-50	2.8	31
34	Rapid repair of a severely damaged RC column having fractured bars using externally bonded CFRP. <i>Composite Structures</i> , 2013 , 101, 225-242	5.3	42
33	Hybrid Jacketing for Rapid Repair of Seismically Damaged Reinforced Concrete Columns. <i>Transportation Research Record</i> , 2015 , 2522, 70-78	1.7	16
32	Collapse Vulnerability and Fragility Analysis of Substandard RC Bridges Rehabilitated with Different Repair Jackets Under Post-mainshock Cascading Events. <i>International Journal of Concrete Structures and Materials</i> , 2015 , 9, 345-367	2.8	16
31	Repair of RC bridge columns with interlocking spirals and fractured longitudinal bars [An experimental study. <i>Construction and Building Materials</i> , 2015 , 78, 405-420	6.7	17
30	Emergency repair of an RC bridge column with fractured bars using externally bonded prefabricated thin CFRP laminates and CFRP strips. <i>Composite Structures</i> , 2015 , 133, 727-738	5.3	22
29	Seismic Repair of Reinforced Concrete Bridge Columns: Review of Research Findings. <i>Journal of Bridge Engineering</i> , 2015 , 20, 04015015	2.7	34
28	Seismic performance of post-mainshock FRP/steel repaired RC bridge columns subjected to aftershocks. <i>Composites Part B: Engineering</i> , 2015 , 72, 183-198	10	46
27	Compressive behavior of FRP-confined concrete-filled PVC tubular columns. <i>Composite Structures</i> , 2016 , 141, 91-109	5.3	56
26	Rapid Repair of Earthquake-Damaged RC Columns with Prestressed Steel Jackets. <i>Journal of Bridge Engineering</i> , 2016 , 21, 04015075	2.7	28
25	Seismic response of multi-frame bridges. <i>Bulletin of Earthquake Engineering</i> , 2016 , 14, 1219-1243	3.7	12
24	Rapid repair techniques for severely earthquake-damaged circular bridge piers with flexural failure mode. <i>Earthquake Engineering and Engineering Vibration</i> , 2017 , 16, 415-433	2	15
23	Rapid repair and replacement of earthquake-damaged concrete columns using plastic hinge relocation. <i>Composite Structures</i> , 2017 , 180, 467-483	5.3	18
22	Seismic Protection of the Piers of Integral Bridges using Sliding Bearings. <i>Journal of Earthquake Engineering</i> , 2017 , 21, 1365-1384	1.8	2
21	Analytical Models for Seismic Repair of Bridge Columns Using Plastic Hinge Relocation. 2018 ,		1
20	Mainshock-aftershock response analyses of FRP-jacketed columns in existing RC building frames. <i>Engineering Structures</i> , 2018 , 165, 315-330	4.7	6
19	Numerical Study on Seismic Behavior of Underwater Bridge Columns Strengthened with Prestressed Precast Concrete Panels and Fiber-Reinforced Polymer Reinforcements. <i>International Journal of Polymer Science</i> , 2018 , 2018, 1-15	2.4	2

18	Concentrated and Distributed Plasticity Models for Seismic Repair of Damaged RC Bridge Columns. <i>Journal of Composites for Construction</i> , 2018 , 22, 04018044	3.3	14
17	Structures Congress 2018. 2018 ,		
16	Risk-Based Assessment of Seismic Repair Costs for Reinforced Concrete Bridges Considering Competing Repair Strategies. <i>Journal of Bridge Engineering</i> , 2019 , 24, 04019108	2.7	5
15	Experimental and Numerical Studies on Effectiveness of Hybrid FRP Strengthening on Behavior of RC Columns under High Eccentric Compression. <i>Journal of Bridge Engineering</i> , 2019 , 24, 04019048	2.7	8
14	Axial compressionBending interaction behavior of severely damaged RC columns rapid repaired and strengthened using hybrid FRP composites. <i>Construction and Building Materials</i> , 2019 , 195, 390-404	6.7	19
13	Effectiveness of hybrid fibre-reinforced polymer retrofitting on behaviour of fire damaged RC columns under axial compression. <i>Engineering Structures</i> , 2020 , 211, 110458	4.7	12
12	State-of-the-art of prefabricated FRP composite jackets for structural repair. 2020 , 23, 1244-1258		15
11	Seismic Repair Assessment of Hybrid SlidingRocking Bridge Columns through Integrated Experimentation and Expert Panel Solicitation. <i>Journal of Structural Engineering</i> , 2020 , 146, 04020191	3	4
10	Experimental study of predamaged columns strengthened by HPFL and BSP under combined load cases. <i>Structure and Infrastructure Engineering</i> , 2021 , 17, 1210-1227	2.9	28
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