

# CITATION REPORT

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## Rubberized Portland Cement Concrete

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#	Paper	IF	Citations
498	PROPERTIES OF TYRE RUBBER ASH MORTAR. <b>2002</b> , 805-814		1
497	Static and dynamic behaviour of recycled tyre rubber-filled concrete. <b>2002</b> , 32, 1587-1596		259
496	Investigation into Waste Tire Rubber-Filled Concrete. <i>Journal of Materials in Civil Engineering</i> , <b>2004</b> , 16, 187-194	3	132
495	Properties of concrete containing scrap-tire rubber--an overview. <i>Waste Management</i> , <b>2004</b> , 24, 563-9	8.6	543
494	Waste tire fiber modified concrete. <b>2004</b> , 35, 305-312		110
493	Fire performance of recycled rubber-filled high-strength concrete. <b>2004</b> , 34, 109-117		161
492	Properties of tire rubber ash mortar. <b>2004</b> , 26, 821-826		92
491	Properties of rubberized concretes containing silica fume. <b>2004</b> , 34, 2309-2317		259
490	Development of waste tire modified concrete. <b>2004</b> , 34, 2283-2289		214
489	Properties of Crumb Rubber Concrete. <b>2005</b> , 1914, 8-14		33
488	Correlation of strength, rubber content, and water to cement ratio in rubberized concrete. <b>2005</b> , 32, 1075-1081		64
487	Tyre rubber waste recycling in self-compacting concrete. <b>2006</b> , 36, 735-739		192
486	Use of waste tire steel beads in Portland cement concrete. <b>2006</b> , 36, 1686-1691		94
485	On Building Crumb Rubber Concrete Test Sites. <b>2006</b> , 302-303, 411-417		3
484	Raising awareness on materials recycling using undergraduate engineering research. <b>2007</b> , 31, 325		0
483	Strength development and chloride penetration in rubberized concretes with and without silica fume. <b>2007</b> , 40, 953-964		103
482	Improvement of cracking-resistance and flexural behavior of cement-based materials by addition of rubber particles. <b>2008</b> , 23, 579-583		17

481	Physico-mechanical and thermal performances of newly developed rubber-added bricks. <b>2008</b> , 40, 679-688	101
480	Prediction of rubberized concrete properties using artificial neural network and fuzzy logic. <i>Construction and Building Materials</i> , <b>2008</b> , 22, 532-540	6.7 95
479	Experimental investigation on dynamic properties of rubberized concrete. <i>Construction and Building Materials</i> , <b>2008</b> , 22, 939-947	6.7 193
478	Promoting the use of crumb rubber concrete in developing countries. <i>Waste Management</i> , <b>2008</b> , 28, 2171-6	8.6 197
477	Mechanical properties of concrete containing a high volume of tire-rubber particles. <i>Waste Management</i> , <b>2008</b> , 28, 2472-82	8.6 376
476	Strength, Modulus of Elasticity, and Brittleness Index of Rubberized Concrete. <i>Journal of Materials in Civil Engineering</i> , <b>2008</b> , 20, 692-699	3 136
475	Mechanical, Fracture, and Microstructural Investigations of Rubber Concrete. <i>Journal of Materials in Civil Engineering</i> , <b>2008</b> , 20, 640-649	3 256
474	Influence of the surface treatment of tire rubber residues added in mortars. <b>2008</b> , 1, 113-120	16
473	The use of waste tyre rubber in civil engineering works. <b>2009</b> , 213-238	33
472	Mechanical behavior analysis of sintered products of natural rubber crumb rubber (NRCR) using adhesives. <b>2009</b> , 40, 211-217	4
471	Improvement of chloride ion penetration resistance in cement mortars modified with rubber from worn automobile tires. <b>2009</b> , 31, 403-407	98
470	Possibility of using waste tire rubber and fly ash with Portland cement as construction materials. <i>Waste Management</i> , <b>2009</b> , 29, 1541-6	8.6 146
469	Evaluation of possible decay and termite resistance of particleboard containing waste tire rubber. <b>2009</b> , 63, 806-809	11
468	Matt waste from glass separated collection: an eco-sustainable addition for new building materials. <i>Waste Management</i> , <b>2009</b> , 29, 329-34	8.6 14
467	Sustainable construction: composite use of tyres and ash in concrete. <i>Waste Management</i> , <b>2009</b> , 29, 360-7.6	54
466	Use of crumb rubber to improve thermal and sound properties of pre-cast concrete panel. <i>Construction and Building Materials</i> , <b>2009</b> , 23, 1084-1092	6.7 178
465	Scrap-tyre-rubber replacement for aggregate and filler in concrete. <i>Construction and Building Materials</i> , <b>2009</b> , 23, 1828-1836	6.7 405
464	Properties of Crumb Rubber Concrete Paving Blocks with SBR Latex. <b>2009</b> , 10, 213-222	25

463	Utilization of Recycled Rubber in Concrete Mix Design. <b>2010,</b>		
462	Long-term strength of rubberised concrete paving blocks. <b>2010,</b> 163, 19-26		15
461	Research on new applications for granulated rubber in concrete. <b>2010,</b> 163, 7-17		14
460	Modeling the mechanical properties of rubberized concretes by neural network and genetic programming. <b>2010,</b> 43, 31-45		21
459	Fresh properties of self-compacting rubberized concrete incorporated with fly ash. <b>2010,</b> 43, 1037-1048		89
458	Effect of microsilica addition on compressive strength of rubberized concrete at elevated temperatures. <b>2010,</b> 12, 41-49		24
457	Utilization of waste vehicle tires in concrete and its effect on the corrosion behavior of reinforcing steels. <b>2010,</b> 17, 363-370		8
456	Comparison of the fracture process of the rubberized concrete and plain concrete under bending load. <b>2010,</b> 53, 1526-1533		10
455	Hybrid modified rubber powder and its application in cement mortar. <b>2010,</b> 25, 1033-1037		11
454	Waste tyre rubberized concrete: properties at fresh and hardened state. <i>Waste Management,</i> <b>2010,</b> 30, 1696-704	8.6	202
453	Factorial design used to model the compressive strength of mortars containing recycled rubber. <i>Composite Structures,</i> <b>2010,</b> 92, 2047-2051	5.3	35
452	Structural behavior and m <sub>u</sub> value of composite slab utilizing concrete containing crumb rubber. <i>Construction and Building Materials,</i> <b>2010,</b> 24, 1214-1221	6.7	58
451	The role of scrap rubber particles on the drying shrinkage and mechanical properties of self-consolidating mortars. <i>Construction and Building Materials,</i> <b>2010,</b> 24, 1141-1150	6.7	66
450	Completely random experimental design with mixture and process variables for optimization of rubberized concrete. <i>Construction and Building Materials,</i> <b>2010,</b> 24, 1754-1760	6.7	16
449	A review of the fresh/hardened properties and applications for plain- (PRC) and self-compacting rubberised concrete (SCRC). <i>Construction and Building Materials,</i> <b>2010,</b> 24, 2043-2051	6.7	178
448	Improving rubber concrete by waste organic sulfur compounds. <b>2010,</b> 28, 29-35		54
447	Experimental Study on the Properties of Asphalt Modified by Organo-Bentonite/Crumb Rubber. <b>2010,</b>		
446	Effects of Surface Modification of Rubber Particles on Pavement Concrete Performance. <b>2010,</b>		

445	Modelling mechanical behaviour of rubber concrete using evolutionary polynomial regression. <b>2011</b> , 28, 492-507			24
444	Properties of Concrete Containing Scrap-Tire Chips. <b>2011</b> , 399-401, 1251-1256			1
443	Corrosion behavior of concrete modified with waste tire. <b>2011</b> , 58, 76-83			1
442	Effect of adding crumb tire rubber particles on the mechanical properties of DCPD-modified sulfur polymer mortars. <b>2011</b> , 6, 1283-1294			1
441	Development of a Lightweight Low-Carbon Footprint Concrete Containing Recycled Waste Materials. <b>2011</b> , 2011, 1-8			6
440	FRP tube encased rubberized concrete cylinders. <b>2011</b> , 44, 233-243			34
439	Compressive strength, abrasion resistance and energy absorption capacity of rubberized concretes with and without slag. <b>2011</b> , 44, 1297-1307			82
438	The crack self-healing properties of cement-based material with EVA heat-melt adhesive. <b>2011</b> , 26, 774-779			4
437	Strength and deformability of waste tyre rubber-filled reinforced concrete columns. <i>Construction and Building Materials</i> , <b>2011</b> , 25, 218-226	6.7		142
436	Evaluation of rubbercrete based on ultrasonic pulse velocity and rebound hammer tests. <i>Construction and Building Materials</i> , <b>2011</b> , 25, 1388-1397	6.7		60
435	Prediction of density and compressive strength for rubberized concrete blocks. <i>Construction and Building Materials</i> , <b>2011</b> , 25, 4303-4306	6.7		69
434	Concrete made with recycled tire rubber: Effect of alkaline activation and silica fume addition. <i>Journal of Cleaner Production</i> , <b>2011</b> , 19, 757-763	10.3		217
433	Mechanical Properties Analysis of the Microstructure of Rubber Modified Concrete. <b>2011</b> , 250-253, 699-702			
432	Experimental Study on Rubberized Cement-Soil Resistance to Chlorine-Ion Permeation. <b>2011</b> , 255-260, 2786-2790			1
431	Research on Modifier and Modified Process for Rubber-Particle Used in Rubberized Concrete for Road. <b>2011</b> , 243-249, 4125-4130			22
430	Correlation of Strength, Rubber Content, and Water-Cement Ratio in Roller Compacted Rubberized Concrete. <b>2011</b> , 243-249, 1179-1185			
429	Tension and Compression Behaviour of Fly Ash-Lime-Gypsum Composite Mixed with Treated Tyre Chips. <b>2011</b> , 2011, 1-15			5
428	Experimental and Economic Analysis of Airport Crumb Rubber Concrete (CRC) Pavement. <b>2011</b> , 250-253, 605-608			1

427	Mechanical Properties of Rubberized Self Compacting Concrete Containing Silica Fume. <b>2011</b> , 261-263, 441-445		2
426	Three-layer microwave absorber using cement-based composites. <b>2011</b> , 63, 157-162		9
425	Unconfined Compressive Strength of Fly Ash Lime Gypsum Composite Mixed with Treated Tire Chips. <i>Journal of Materials in Civil Engineering</i> , <b>2011</b> , 23, 1255-1263	3	23
424	Elastic Modulus Calculation of GRT Fiber-Rubberized Haydite Concrete. <b>2012</b> , 450-451, 423-427		
423	Influence of Rubber Powder on the Mechanical Behavior of Engineered Cementitious Composites. <b>2012</b> ,		1
422	Effect of Partial Replacements of Sand by Waste Rubber on the Low Impact Resistance of Concrete. <b>2012</b> , 626, 696-700		6
421	Effect of Partial Replacements of Sand and Cement by Waste Rubber on the Fracture Characteristics of Concrete. <b>2012</b> , 51, 583-589		34
420	TYRE RUBBER ADDITIVE EFFECT ON CONCRETE MIXTURE STRENGTH. <b>2012</b> , 18, 393-401		40
419	Impact Resistance of Concrete with Partial Replacements of Sand and Cement by Waste Rubber. <b>2012</b> , 51, 1230-1236		39
418	APRICOT PIP SHELLS USED AS AGGREGATE REPLACEMENT. <b>2012</b> , 18, 318-322		11
417	Effect of adding rubber powder to poplar particles on composite properties. <b>2012</b> , 118, 56-60		14
416	Preparation and microwave absorbing properties of three-layered cement-based composites. <b>2012</b> , 27, 348-356		11
415	Influence of Filler Addition on Mechanical Behavior of Cementitious Mortar-Rubber Aggregates: Experimental Study and Modeling. <i>Journal of Materials in Civil Engineering</i> , <b>2012</b> , 24, 1350-1358	3	12
414	Experimental Study on the Performance and Microstructure of Rubberized Lightweight Aggregate Concrete. <b>2012</b> , 28, 147-156		2
413	Fire reaction properties of concrete made with recycled rubber aggregate. <b>2012</b> , 36, 139-152		14
412	Improvement of the properties of plasma-modified ground tire rubber-filled cement paste. <b>2012</b> , 126, 1837-1843		23
411	Comparison of low cost shielding-absorbing cement paste building materials in X-band frequency range using a variety of wastes. <i>Ceramics International</i> , <b>2012</b> , 38, 3683-3692	5.1	16
410	Effects of compaction method and rubber content on the properties of concrete paving blocks. <i>Construction and Building Materials</i> , <b>2012</b> , 28, 164-175	6.7	66

409	Properties and durability of concrete containing polymeric wastes (tyre rubber and polyethylene terephthalate bottles): An overview. <i>Construction and Building Materials</i> , <b>2012</b> , 30, 714-724	6.7	246
408	Effects of rubber aggregates from grinded used tyres on the concrete resistance to cracking. <i>Journal of Cleaner Production</i> , <b>2012</b> , 23, 209-215	10.3	86
407	Freeze/thaw protection of concrete with optimum rubber crumb content. <i>Journal of Cleaner Production</i> , <b>2012</b> , 23, 96-103	10.3	86
406	Study of flexural strength and leachate analysis of fly ash-lime-gypsum composite mixed with treated tire chips. <b>2013</b> , 17, 662-673		3
405	Crumb rubber aggregate coatings/pre-treatments and their effects on interfacial bonding, air entrapment and fracture toughness in self-compacting rubberised concrete (SCRC). <b>2013</b> , 46, 2029-2043		95
404	Performance of Rubberized and Hybrid Rubberized Concrete Structures under Static and Impact Load Conditions. <b>2013</b> , 53, 377-384		71
403	Models for predicting the density and compressive strength of rubberized concrete pavement blocks. <i>Construction and Building Materials</i> , <b>2013</b> , 47, 656-661	6.7	14
402	Post-fire residual mechanical properties of concrete made with recycled rubber aggregate. <b>2013</b> , 58, 49-57		46
401	Rubber modified concrete improved by chemically active coating and silane coupling agent. <i>Construction and Building Materials</i> , <b>2013</b> , 48, 116-123	6.7	126
400	Concrete with polymeric wastes. <b>2013</b> , 311-339		1
399	Utilization of recycled crumb rubber as fine aggregates in concrete mix design. <i>Construction and Building Materials</i> , <b>2013</b> , 42, 48-52	6.7	149
398	On the use of recycled tire rubber to develop low E-modulus ECC for durable concrete repairs. <i>Construction and Building Materials</i> , <b>2013</b> , 46, 134-141	6.7	66
397	Effect of partial replacement of sand by fine crumb rubber on impact load behavior of concrete beam: experiment and nonlinear dynamic analysis. <b>2013</b> , 46, 1299-1307		22
396	An EPR Approach to the Modeling of Civil and Geotechnical Engineering Systems. <b>2013</b> , 311-326		2
395	Micromechanical Structure-Property Relationships for the Damage Analysis of Impact-Loaded Sustainable Concrete. <i>Journal of Materials in Civil Engineering</i> , <b>2013</b> , 25, 597-609	3	3
394	Sustainability and Effect of Rubber Tire Aggregates on Compressive and Dynamic Strength of Concrete Used for Highway and Airfield Pavement. <b>2013</b> ,		3
393	Mortars Made with Fine Granulate from Shredded Tires. <i>Journal of Materials in Civil Engineering</i> , <b>2013</b> , 25, 519-529	3	27
392	Experimental Study and Analysis on Strength Properties of Waste Crumb Rubber Concrete. <b>2013</b> , 815, 227-232		2

391	Biopolymer Doped with Titanium Dioxide Superhydrophobic Photocatalysis as Self-Clean Coating for Lightweight Composite. <b>2013</b> , 2013, 1-9		13
390	Workability and mechanical properties of crumb-rubber concrete. <b>2013</b> , 166, 7-17		11
389	Microscopic Analysis on Modified Rubber Mortar Performance. <b>2013</b> , 405-408, 2824-2827		
388	Investigations on cementitious composites based on rubber particle waste additions. <b>2013</b> , 16, 259-268		23
387	On the Fresh/Hardened Properties of Cement Composites Incorporating Rubber Particles from Recycled Tires. <b>2014</b> , 2014, 1-12		18
386	Assessment of Crumb Rubber Concrete for Flexural Structural Members. <i>Journal of Materials in Civil Engineering</i> , <b>2014</b> , 26, 04014075	3	32
385	Acoustic properties of concrete panels with crumb rubber as a fine aggregate replacement. <i>Construction and Building Materials</i> , <b>2014</b> , 73, 195-204	6.7	84
384	Crack Self-Healing Properties of Concrete with Adhesive. <b>2014</b> , 919-921, 1880-1884		5
383	Mechanical Effect Study on Modified Rubber Particles Cement Mortar and Mechanism Analysis. <b>2014</b> , 584-586, 1085-1088		1
382	Recycling of waste tire rubber in asphalt and portland cement concrete: An overview. <i>Construction and Building Materials</i> , <b>2014</b> , 67, 217-224	6.7	351
381	Longitudinal shear resistance of composite slabs containing crumb rubber in concrete toppings. <i>Construction and Building Materials</i> , <b>2014</b> , 55, 365-378	6.7	40
380	Quality improvement of pyrolysis oil from waste rubber by adding sawdust. <i>Waste Management</i> , <b>2014</b> , 34, 2603-10	8.6	21
379	Use of shredded tyre waste in improving the geotechnical properties of expansive black cotton soil. <b>2014</b> , 9, 303-311		55
378	Strength reduction factors for structural rubbercrete. <b>2014</b> , 8, 270-281		34
377	Mechanical properties of lightweight mortar modified with oil palm fruit fibre and tire crumb. <i>Construction and Building Materials</i> , <b>2014</b> , 73, 544-550	6.7	15
376	Experimental Research on Properties of Fresh and Hardened Rubberized Concrete. <i>Journal of Materials in Civil Engineering</i> , <b>2014</b> , 26, 04014040	3	24
375	In-depth assessment of Crumb Rubber Concrete (CRC) prepared by water-soaking treatment method for rigid pavements. <i>Construction and Building Materials</i> , <b>2014</b> , 71, 456-471	6.7	61
374	Effect of rubber particle modification on properties of rubberized concrete. <b>2014</b> , 29, 763-768		34



373	Physical and mechanical properties of foamed Portland cement composite containing crumb rubber from worn tires. <b>2014</b> , 59, 550-557		53
372	Physico-mechanical and performance characterization of mortars incorporating fine glass waste aggregate. <b>2014</b> , 50, 47-59		77
371	An experimental investigation of crumb rubber concrete confined by fibre reinforced polymer tubes. <i>Construction and Building Materials</i> , <b>2014</b> , 53, 522-532	6.7	155
370	Properties and composition of recycled aggregates from construction and demolition waste suitable for concrete production. <i>Construction and Building Materials</i> , <b>2014</b> , 65, 201-217	6.7	550
369	Structural Behavior of Reinforced Rubbercrete Beams in Shear. <b>2015</b> , 752-753, 513-517		1
368	Investigation on Properties of ECC Incorporating Crumb Rubber of Different Sizes. <b>2015</b> , 13, 241-251		56
367	Properties of Concrete with Tire Derived Aggregate Partially Replacing Coarse Aggregates. <b>2015</b> , 2015, 863706		8
366	Mechanical properties of high strength concrete with scrap tire rubber. <i>Construction and Building Materials</i> , <b>2015</b> , 93, 249-256	6.7	78
365	Utilization of waste rubber in non-structural applications. <i>Construction and Building Materials</i> , <b>2015</b> , 91, 195-207	6.7	74
364	Surface modified used rubber tyre aggregates: effect on recycled concrete performance. <b>2015</b> , 67, 680-691		37
363	Mechanical Properties of Mortar Modified with Cement Treated Tyre Crumb and Oil Palm Fruit Fibre. <b>2015</b> , 802, 225-230		
362	Influence of waste rubber utilization on the fracture and steel-concrete bond strength properties of concrete. <i>Construction and Building Materials</i> , <b>2015</b> , 101, 1113-1121	6.7	63
361	The influence of waste crumb rubber in reducing the alkali-silica reaction in mortar bars. <i>Journal of Building Engineering</i> , <b>2015</b> , 4, 231-236	5.2	21
360	Dynamic mechanical behaviour of recycled crumb rubber concrete materials subjected to repeated impact. <b>2015</b> , 19, S8-496-S8-501		5
359	Compressive and flexural behaviours of a new steel-fibre-reinforced recycled aggregate concrete with crumb rubber. <i>Construction and Building Materials</i> , <b>2015</b> , 79, 263-272	6.7	110
358	Structural performance of dry-cast rubberized concrete pipes with steel and synthetic fibers. <i>Construction and Building Materials</i> , <b>2015</b> , 77, 218-226	6.7	39
357	Impact Resistance of Rubberized Self-Compacting ConcretePeer review under responsibility of National Water Research Center.View all notes. <b>2015</b> , 29, 45-53		68
356	Fabrication and Assessment of Crumb-Rubber-Modified Coatings with Anticorrosive Properties. <i>Materials</i> , <b>2015</b> , 8, 181-192	3.5	11

355	Effects of surface pre-coating and silica fume on crumb rubber-cement matrix interface and cement mortar properties. <i>Journal of Cleaner Production</i> , <b>2015</b> , 104, 339-345	10.3	75
354	Effects of spheroid and fiber-like waste-tire rubbers on interrelation of strength-to-porosity in rubberized cement and mortars. <i>Construction and Building Materials</i> , <b>2015</b> , 95, 525-536	6.7	38
353	Mechanical performance and medium-term degradation of rubberised concrete. <i>Construction and Building Materials</i> , <b>2015</b> , 98, 820-831	6.7	15
352	Utilization of waste tire rubber powder in concrete. <b>2015</b> , 22, 823-835		24
351	Mechanical and thermophysical properties of lightweight aggregate concretes. <i>Construction and Building Materials</i> , <b>2015</b> , 96, 217-225	6.7	76
350	Strength, durability, and environmental properties of concrete utilizing recycled tire particles for pavement applications. <i>Construction and Building Materials</i> , <b>2015</b> , 98, 832-845	6.7	48
349	The Behaviour of Rubber Tyre as Fine Aggregate in Concrete Mix. <b>2015</b> , 754-755, 427-431		3
348	Flexural characteristics of rubberized cement-stabilized crushed aggregate for pavement structure. <b>2015</b> , 88, 897-905		22
347	Microstructure properties of waste tire rubber composites: an overview. <b>2015</b> , 17, 422-433		50
346	High strength rubberized concrete containing silica fume for the construction of sustainable road side barriers. <i>Structures</i> , <b>2015</b> , 1, 20-38	3.4	96
345	Fresh State Properties of Concrete Incorporating Scrap Tire Rubber. <b>2016</b> , 60, 611-617		2
344	Strength of Concrete Containing Rubber Particle as Partial Cement Replacement. <i>MATEC Web of Conferences</i> , <b>2016</b> , 47, 01009	0.3	2
343	Influence of Rubber Size on Properties of Crumb Rubber Mortars. <i>Materials</i> , <b>2016</b> , 9,	3.5	30
342	ESTIMATING STRENGTH OF RUBBERIZED CONCRETE USING EVOLUTIONARY MULTIVARIATE ADAPTIVE REGRESSION SPLINES. <b>2016</b> , 22, 711-720		15
341	Experimental studies on the behavior of concrete-filled steel tubes incorporating crumb rubber. <b>2016</b> , 122, 251-260		42
340	A comprehensive overview about recycling rubber as fine aggregate replacement in traditional cementitious materials. <b>2016</b> , 5, 46-82		101
339	Performance evaluation of a resinous cement mortar modified with crushed clay brick and tire rubber aggregate. <i>Construction and Building Materials</i> , <b>2016</b> , 120, 473-481	6.7	20
338	Mechanical properties of rubberised concrete for road side barriers. <b>2016</b> , 14, 1-12		18

337	Experimental assessment of the flexural behaviour of circular rubberized concrete-filled steel tubes. <b>2016</b> , 122, 557-570		33
336	Optimisation of rubberised concrete with high rubber content: An experimental investigation. <i>Construction and Building Materials</i> , <b>2016</b> , 124, 391-404	6.7	108
335	Assessment of the mechanical performance of crumb rubber concrete. <i>Construction and Building Materials</i> , <b>2016</b> , 125, 175-183	6.7	125
334	Material development for a sustainable precast concrete block pavement. <b>2016</b> , 3, 483-491		11
333	Sustainability of using waste rubber in concrete. <b>2016</b> , 597-623		5
332	Compressive strength of fly ash-based geopolymer concrete with crumb rubber partially replacing sand. <i>Construction and Building Materials</i> , <b>2016</b> , 118, 43-51	6.7	53
331	Fresh and Hardened Properties of Fiber-Reinforced Rubber Concrete. <i>Journal of Materials in Civil Engineering</i> , <b>2016</b> , 28, 04016027	3	24
330	Experimental study of rubber tire aggregates effect on compressive and dynamic load-bearing properties of cylindrical concrete specimens. <b>2016</b> , 18, 665-676		8
329	Enhancing mechanical performance of rubberised concrete pavements with sodium hydroxide treatment. <b>2016</b> , 49, 813-827		64
328	Strain Rate Effect on Properties of Rubberized Concrete Confined with Glass Fiber Reinforced Polymers. <b>2016</b> , 20, 04016014		31
327	Zones of weakness of rubberized concrete behavior using the UPV. <i>Journal of Cleaner Production</i> , <b>2016</b> , 116, 217-222	10.3	20
326	Permeable concrete mixed with various admixtures. <b>2016</b> , 100, 110-119		28
325	Investigation on precast concrete paver block with waste tyre crumb rubber. <b>2016</b> , 17, 719-736		9
324	Characterization of rubberized cement bound aggregate mixtures using indirect tensile testing and fractal analysis. <i>Construction and Building Materials</i> , <b>2016</b> , 105, 94-102	6.7	15
323	Effect of cementation level on performance of rubberized cement-stabilized aggregate mixtures. <b>2016</b> , 97, 98-107		15
322	Flexural Behavior of Steel Fiber-Reinforced Rubberized Concrete. <i>Journal of Materials in Civil Engineering</i> , <b>2016</b> , 28, 04015076	3	24
321	Influence of Mixture Composition and Type of Cementitious Materials on Enhancing the Fresh Properties and Stability of Self-Consolidating Rubberized Concrete. <i>Journal of Materials in Civil Engineering</i> , <b>2016</b> , 28, 04015075	3	13
320	Mechanical Properties of Waste Tire Rubber Concrete. <i>Journal of Materials in Civil Engineering</i> , <b>2016</b> , 28, 04015152	3	77

3 <sup>19</sup>	Crumb rubber used in concrete to provide freeze-thaw protection (optimal particle size). <i>Journal of Cleaner Production</i> , <b>2016</b> , 112, 599-606	10.3	84
3 <sup>18</sup>	Mechanical and durability properties of waste rubber fiber concrete with and without silica fume. <i>Journal of Cleaner Production</i> , <b>2016</b> , 112, 702-711	10.3	167
3 <sup>17</sup>	Mechanical and durability properties of insulation mortar with rubber powder from waste tires. <b>2017</b> , 19, 763-773		9
3 <sup>16</sup>	Reinforcement of acrylonitrile butadiene rubber with waste rubber ash using ionizing radiation. <b>2017</b> , 23, 117-124		2
3 <sup>15</sup>	Behavior of rubberized concrete under active confinement. <i>Construction and Building Materials</i> , <b>2017</b> , 138, 372-382	6.7	41
3 <sup>14</sup>	Crumb waste tire rubber surface modification by plasma polymerization of ethanol and its application on oil-well cement. <b>2017</b> , 409, 325-342		53
3 <sup>13</sup>	Evaluation of properties and performance of rubber-modified concrete for recycling of waste scrap tire. <i>Journal of Cleaner Production</i> , <b>2017</b> , 148, 681-689	10.3	138
3 <sup>12</sup>	Experimental assessment and constitutive modelling of rubberised concrete materials. <i>Construction and Building Materials</i> , <b>2017</b> , 137, 246-260	6.7	58
3 <sup>11</sup>	Behaviour of similar strength crumbed rubber concrete (CRC) mixes with different mix proportions. <i>Construction and Building Materials</i> , <b>2017</b> , 137, 354-366	6.7	31
3 <sup>10</sup>	Experimental study on performance of rubber particle and steel fiber composite toughening concrete. <i>Construction and Building Materials</i> , <b>2017</b> , 146, 267-275	6.7	27
3 <sup>09</sup>	Behaviour of unconfined and FRP-confined rubberised concrete in axial compression. <i>Construction and Building Materials</i> , <b>2017</b> , 147, 388-397	6.7	51
3 <sup>08</sup>	Mechanical properties of rubberized lightweight aggregate concrete. <i>Construction and Building Materials</i> , <b>2017</b> , 147, 264-271	6.7	43
3 <sup>07</sup>	INVESTIGATION ON THE MECHANICAL PROPERTIES OF RUBBERIZED STEEL FIBER CONCRETE. <b>2017</b> , 9, 79-92		6
3 <sup>06</sup>	Fracture energy and mechanical characteristics of self-compacting concretes including waste bladder tyre. <i>Construction and Building Materials</i> , <b>2017</b> , 149, 669-678	6.7	23
3 <sup>05</sup>	Shaking-Table Testing of High Energy Dissipating Rubberized Concrete Columns. <b>2017</b> , 22, 04017042		15
3 <sup>04</sup>	Response Assessment under Dynamic Loading and Microstructural Investigations of Rubberized Concrete. <i>Journal of Materials in Civil Engineering</i> , <b>2017</b> , 29, 04017062	3	29
3 <sup>03</sup>	Experimental investigations of reinforced rubberized concrete structural members. <i>Journal of Building Engineering</i> , <b>2017</b> , 10, 149-165	5.2	46
3 <sup>02</sup>	Microencapsulated phase change materials for enhancing the thermal performance of Portland cement concrete and geopolymer concrete for passive building applications. <b>2017</b> , 133, 56-66		144

301	Experimental and analytical evaluation of rubberized polymer concrete. <i>Construction and Building Materials</i> , <b>2017</b> , 155, 495-510	6.7	49
300	Quality Management for Rubber Tire Concrete Applications in Highway and Airfield Pavements Construction. <b>2017</b> ,		
299	08.38: Experimental characterisation of the flexural behaviour of rubberized concrete-filled steel tubular members. <b>2017</b> , 1, 2147-2156		0
298	Monotonic and cyclic flexural behaviour of square/rectangular rubberized concrete-filled steel tubes. <b>2017</b> , 139, 385-396		17
297	Effects of water absorption on the microstructure of plaster with end-of-life tire rubber mortars. <i>Construction and Building Materials</i> , <b>2017</b> , 150, 558-567	6.7	12
296	Study of the effects of mechanical and chemical treatment of rubber on the performance of rubberized roller-compacted concrete pavement. <b>2017</b> , 2, 1		16
295	The effects of porosity on mechanical behavior and water absorption of an environmentally friendly cement mortar with recycled rubber. <i>Construction and Building Materials</i> , <b>2017</b> , 151, 534-545	6.7	33
294	Evaluation of rubberized fibre mortar exposed to elevated temperature using destructive and non-destructive testing. <b>2017</b> , 21, 1347-1358		14
293	Investigation on dynamic performance of concrete column crumb rubber steel and fiber concrete. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 271, 012082	0.4	1
292	Airfield and Highway Pavements 2017. <b>2017</b> ,		
291	Self-Sealing Cementitious Materials by Using Water-Swelling Rubber Particles. <i>Materials</i> , <b>2017</b> , 10,	3.5	3
290	Influence of Crumb-Rubber in the Mechanical Response of Modified Portland Cement Concrete. <b>2017</b> , 2017, 1-9		4
289	Mechanical and Physical Performance of Concrete Including Waste Electrical Cable Rubber. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 245, 022054	0.4	3
288	Effects of surface treatments of recycled tyre crumb on cement-rubber bonding in concrete composite foam. <i>Construction and Building Materials</i> , <b>2018</b> , 171, 467-473	6.7	67
287	Mechanical performance of steel fibre reinforced rubberised concrete for flexible concrete pavements. <i>Construction and Building Materials</i> , <b>2018</b> , 172, 533-543	6.7	52
286	Performance of rubberised reinforced concrete members under cyclic loading. <b>2018</b> , 166, 526-545		31
285	Evaluation of laboratory performance of self-consolidating concrete with recycled tire rubber. <i>Journal of Cleaner Production</i> , <b>2018</b> , 180, 823-831	10.3	61
284	Experimental investigation on the floating of rubber particles of crumb rubber concrete. <i>Construction and Building Materials</i> , <b>2018</b> , 164, 644-654	6.7	18

283	Resonant column testing on Portland cement concrete containing recycled asphalt pavement (RAP) aggregates. <i>Construction and Building Materials</i> , <b>2018</b> , 173, 419-428	6.7	10
282	Influence of microcapsule size and shell polarity on thermal and mechanical properties of thermoregulating geopolymer concrete for passive building applications. <b>2018</b> , 164, 198-209		42
281	Physical, mechanical and thermal properties of Crushed Sand Concrete containing Rubber Waste. <i>MATEC Web of Conferences</i> , <b>2018</b> , 149, 01076	0.3	3
280	Comparative Analysis of Estimated Young's Modulus of Rubberized Mortar and Concrete. <b>2018</b> , 16, 243-253		4
279	Rubberised concrete: from laboratory findings to field experiment validation. <i>International Journal of Pavement Engineering</i> , <b>2018</b> , 19, 883-892	2.6	5
278	Rubbercrete mixture optimization using response surface methodology. <i>Journal of Cleaner Production</i> , <b>2018</b> , 171, 1605-1621	10.3	67
277	Micro-cracking monitoring and fracture evaluation for crumb rubber concrete based on acoustic emission techniques. <b>2018</b> , 17, 946-958		56
276	Matrix tailoring of Engineered Cementitious Composites (ECC) with non-oil-coated, low tensile strength PVA fiber. <i>Construction and Building Materials</i> , <b>2018</b> , 161, 420-431	6.7	74
275	Flexural Static Energy of Steel Fiber Rubberized Concrete Beams with Layered Distribution. <b>2018</b> ,		0
274	Energy Evolution Behavior and Mesodamage Mechanism of Crumb Rubber Concrete. <b>2018</b> , 2018, 1-13		5
273	Tire-Derived Aggregate Cementitious Materials: A Review of Mechanical Properties. <b>2018</b> ,		
272	Flexural Behavior of Rubberized Concrete for Cold Regions Applications. <b>2018</b> ,		
271	Investigation of properties and performances of Polyvinyl Alcohol (PVA) fiber-reinforced rubber concrete. <i>Construction and Building Materials</i> , <b>2018</b> , 193, 631-642	6.7	65
270	Behaviour of Steel Fibre Reinforced Rubberized Continuous Deep Beams. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 330, 012125	0.4	3
269	A review of Waste Tyre Rubber as an Alternative Concrete Constituent Material. <i>MATEC Web of Conferences</i> , <b>2018</b> , 199, 11003	0.3	7
268	Thermal resistance of fly ash based rubberized geopolymer concrete. <i>Journal of Building Engineering</i> , <b>2018</b> , 19, 420-428	5.2	69
267	Thermal performance and numerical simulation of geopolymer concrete containing different types of thermoregulating materials for passive building applications. <b>2018</b> , 173, 678-688		24
266	Effects of the addition of silica fume and rubber particles on the compressive behaviour of recycled aggregate concrete with steel fibres. <i>Journal of Cleaner Production</i> , <b>2018</b> , 197, 656-667	10.3	70

265	Experimental investigation of rubberised concrete-filled double skin square tubular columns under axial compression. <b>2018</b> , 171, 730-746		40
264	Dynamic response of rubberized concrete columns with and without FRP confinement subjected to lateral impact. <i>Construction and Building Materials</i> , <b>2018</b> , 186, 207-218	6.7	30
263	Experimental tests and design of rubberised concrete-filled double skin circular tubular short columns. <i>Structures</i> , <b>2018</b> , 15, 196-210	3.4	31
262	Rubber concrete: Mechanical and dynamical properties. <i>Case Studies in Construction Materials</i> , <b>2018</b> , 9, e00184	2.7	41
261	Durability of steel fibre reinforced rubberised concrete exposed to chlorides. <i>Construction and Building Materials</i> , <b>2018</b> , 188, 130-142	6.7	33
260	Rubber aggregate-cement matrix bond enhancement: Microstructural analysis, effect on transfer properties and on mechanical behaviours of the composite. <b>2018</b> , 94, 1-12		38
259	Durability of Fly Ash Based Geopolymer Concrete Infilled with Rubber Crumb in Seawater Exposure. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 374, 012069	0.4	8
258	Scrap tires/crumb rubber. <b>2018</b> , 51-77		8
257	Effect of cement content and recycled rubber particle size on the performance of rubber-modified concrete. <b>2019</b> , 12, 189-200		17
256	Thermo-mechanical analysis of mass concrete elements made of rubberized concrete. <b>2019</b> , 12, 580-589		
255	Overview of trends in the application of waste materials in self-compacting concrete production. <b>2019</b> , 1, 1		28
254	Application of rubberized cement-based composites in pavements: Suitability and considerations. <i>Construction and Building Materials</i> , <b>2019</b> , 223, 1182-1195	6.7	14
253	Mechanical properties of recycled aggregate concrete containing crumb rubber and polypropylene fiber. <i>Construction and Building Materials</i> , <b>2019</b> , 225, 983-996	6.7	59
252	Shear Behavior Model for FRP-Confined and Unconfined Rubberized Concrete. <b>2019</b> , 23, 04019039		3
251	Waste tire rubber and pozzolans in concrete: A trade-off between cleaner production and mechanical properties in a greener concrete. <i>Journal of Cleaner Production</i> , <b>2019</b> , 238, 117882	10.3	33
250	Recycled materials in concrete. <b>2019</b> , 19-54		7
249	Durability characteristics of lightweight rubberized concrete. <i>Construction and Building Materials</i> , <b>2019</b> , 224, 584-599	6.7	26
248	Circular steel tubes filled with rubberised concrete under combined loading. <b>2019</b> , 162, 105613		20

247	Research on hoop capacity of composite foundation of discarded rubber tires. <i>European Journal of Environmental and Civil Engineering</i> , <b>2019</b> , 1-23	1.5	2
246	Material Characterization for Sustainable Concrete Paving Blocks. <b>2019</b> , 9, 1197		8
245	Sustainability of Tire-Derived Aggregate Concrete: A Case Study on Energy, Emissions, Economy, and ENVISION. <b>2019</b> ,		3
244	Properties of Concrete Pedestrian Blocks Containing Crumb Rubber from Recycle Waste Tyres Reinforced with Steel Fibres. <i>Case Studies in Construction Materials</i> , <b>2019</b> , 11, e00304	2.7	7
243	Environmentally Sustainable Cement Composites Based on End-of-Life Tyre Rubber and Recycled Waste Porous Glass. <i>Materials</i> , <b>2019</b> , 12,	3.5	14
242	Performance of high strength concrete containing recycled rubber. <i>Construction and Building Materials</i> , <b>2019</b> , 227, 116660	6.7	51
241	Effects of crumb rubber aggregate on the static and fatigue performance of reinforced concrete slabs. <i>Composite Structures</i> , <b>2019</b> , 228, 111371	5.3	17
240	Impact Energy Consumption of High-Volume Rubber Concrete with Silica Fume. <b>2019</b> , 2019, 1-11		3
239	Predicting post-fire behavior of crumb rubber aggregate concrete. <i>Construction and Building Materials</i> , <b>2019</b> , 229, 116834	6.7	29
238	Mechanical, durability, and microstructural properties of macro synthetic polypropylene (PP) fiber-reinforced rubber concrete. <i>Journal of Cleaner Production</i> , <b>2019</b> , 234, 1351-1364	10.3	76
237	Mechanical, fracture and durability properties of self-compacting high strength concrete containing recycled polypropylene plastic particles. <i>Journal of Building Engineering</i> , <b>2019</b> , 25, 100808	5.2	36
236	Strength Reduction Factor of Concrete with Recycled Rubber Aggregates from Tires. <i>Journal of Materials in Civil Engineering</i> , <b>2019</b> , 31, 04019146	3	21
235	Evaluating damage of rubberized cement-based composites under aggressive environments. <i>Construction and Building Materials</i> , <b>2019</b> , 217, 234-241	6.7	5
234	Fatigue performance of flexible steel fibre reinforced rubberised concrete pavements. <b>2019</b> , 193, 170-183		19
233	Impact Response of Novel Fibre-Reinforced Grouted Aggregate Rubberized Concrete. <b>2019</b> , 44, 8451-8463		13
232	Compressive behaviour of FRP-confined rubber concrete. <i>Construction and Building Materials</i> , <b>2019</b> , 211, 416-426	6.7	32
231	Sustainable selection of the concrete incorporating recycled tire aggregate to be used as medium to low strength material. <i>Journal of Cleaner Production</i> , <b>2019</b> , 224, 396-410	10.3	48
230	Experimental investigation of mechanical properties of crumbed rubber concrete containing natural zeolite. <i>Construction and Building Materials</i> , <b>2019</b> , 208, 651-658	6.7	42



229	Performance of geopolymer concrete containing recycled rubber. <i>Construction and Building Materials</i> , <b>2019</b> , 207, 136-144	6.7	83
228	Prediction of the Strength of Rubberized Concrete by an Evolved Random Forest Model. <b>2019</b> , 2019, 1-7		36
227	Behaviour of Treated Rubberised Fiber Concretes at Higher Temperatures. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 620, 012080	0.4	
226	Studies on Properties of Concrete Using Crumb Rubber as Fine Aggregate. <b>2019</b> , 197-203		3
225	On Mechanical and Thermal Properties of Concretes with Rubber as Partial Replacement to Well-Graded Conventional Aggregates. <b>2019</b> , 57-65		1
224	Durability properties of cleaner cement mortar with by-products of tire recycling. <i>Journal of Cleaner Production</i> , <b>2019</b> , 213, 1135-1146	10.3	20
223	Freeze-thaw resistance of steel fibre reinforced rubberised concrete. <i>Construction and Building Materials</i> , <b>2019</b> , 195, 450-458	6.7	34
222	Effect of recycled glass powder on properties of cementitious materials contains styrene butadiene rubber. <b>2019</b> , 12, 1		13
221	Evolution of mechanical properties of steel fiber-reinforced rubberized concrete (FR-RC). <b>2019</b> , 160, 158-166		38
220	Waste rubber aggregates. <b>2019</b> , 87-119		2
219	The effects of different types of fibres and geotextiles for pavement design. <b>2019</b> , 20, 793-814		10
218	Risk of ASR in coating mortars incorporating glass aggregates and a Portland limestone cement. <i>European Journal of Environmental and Civil Engineering</i> , <b>2019</b> , 23, 226-244	1.5	2
217	Effects of long shredded rubber particles recycled from waste tires on mechanical properties of concrete. <b>2020</b> , 9, 50-59		5
216	Research on crumb rubber concrete: From a multi-scale review. <i>Construction and Building Materials</i> , <b>2020</b> , 232, 117282	6.7	44
215	Experimental investigation on mechanical properties of plain and rubberised concretes with steel polypropylene hybrid fibre. <i>Construction and Building Materials</i> , <b>2020</b> , 233, 117194	6.7	24
214	Numerical assessment of reinforced concrete members incorporating recycled rubber materials. <b>2020</b> , 204, 110017		5
213	A comprehensive review on the mechanical properties of waste tire rubber concrete. <i>Construction and Building Materials</i> , <b>2020</b> , 237, 117651	6.7	101
212	Tensile stress-strain characteristics of rubberised concrete from flexural tests. <i>Construction and Building Materials</i> , <b>2020</b> , 236, 117591	6.7	8

211	Experimental Research on Chloride Erosion Resistance of Rubber Concrete. <b>2020</b> , 2020, 1-10		1
210	Behavior analysis of concrete with recycled tire rubber as aggregate using 3D-digital image correlation. <i>Journal of Cleaner Production</i> , <b>2020</b> , 274, 123074	10.3	21
209	Recyclable rubber-cement composites produced by interfacial strengthened strategy from polyvinyl alcohol. <i>Construction and Building Materials</i> , <b>2020</b> , 264, 120541	6.7	5
208	Experimental investigation on flexural properties of directional steel fiber reinforced rubberized concrete. <i>Structures</i> , <b>2020</b> , 27, 1660-1669	3.4	13
207	Assessment of the mechanical properties of concrete pavement containing crumb rubber of tires. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 737, 012141	0.4	1
206	Compressive behaviour of rubberized cement-stabilized aggregate mixtures. <i>Construction and Building Materials</i> , <b>2020</b> , 262, 120038	6.7	3
205	Evaluation of concrete-steel interfaces in steel tubes filled with chipped rubber-concrete. <b>2020</b> , 1-23		3
204	Application of Fiber-Reinforced Rubcrete for Crash Barriers. <i>Journal of Materials in Civil Engineering</i> , <b>2020</b> , 32, 04020358	3	3
203	Influence of Waste Rubbers Particle Size as Partial Substitution with Coarse Aggregate on Compressive property and water absorption ratio of Concrete. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 870, 012104	0.4	
202	Machine learning approaches for estimation of compressive strength of concrete. <b>2020</b> , 135, 1		5
201	Experimental Investigation on Hydroabrasive Erosion of Steel Fiber UHPC and Rubber UHPC. <b>2020</b> , 2020, 1-10		0
200	Investigation of the mechanical properties of concrete containing recycled aggregate and scrap crumb rubber and polypropylene fibers. <b>2020</b> , 147776062097750		
199	Investigation into Recycled Rubber Aggregates and Steel Wire Fiber for Use in Concrete Subjected to Impact Loading. <b>2020</b> , 5, 82		3
198	Sustainable rubber recycling from waste tyres by waterjet: A novel mechanistic and practical analysis. <b>2020</b> , 25, e00173		9
197	Creep and drying shrinkage behaviour of crumb rubber concrete (CRC). <b>2020</b> , 18, 187-204		5
196	Long-term mechanical and durable properties of waste tires rubber crumbs replaced GBFS modified concretes. <i>Construction and Building Materials</i> , <b>2020</b> , 256, 119505	6.7	25
195	Experimental Study on Shear Resistance of Rubber Concrete Brick Masonry. <b>2020</b> , 455, 012117		
194	Mechanical and deformation properties of rubberized engineered cementitious composite (ECC). <i>Case Studies in Construction Materials</i> , <b>2020</b> , 13, e00385	2.7	14

193	Analysis of the Crack Evolution Process in Crumb Rubber Concrete Based on Acoustic Emission Technology. <b>2020</b> , 24, 2088-2098		6
192	Effect of crumb rubber aggregate on the performance of cementitious composites: A review. <b>2020</b> , 445, 012032		8
191	Effectiveness of using rubber waste as aggregates for improving thermal performance of plaster-based composites. <b>2020</b> , 5, 1		3
190	Strength reduction factor of crumb rubber as fine aggregate replacement in concrete. <i>Journal of Building Engineering</i> , <b>2020</b> , 32, 101346	5.2	14
189	Evaluation of Fracture Process Zone in the Flexural Response of Different Concrete Materials Using DIC Method. <b>2020</b> , 24, 2435-2448		3
188	Developments and Novel Approaches in Biomechanics and Metamaterials. <b>2020</b> ,		3
187	Eco-rubber Seismic-Isolation Foundation Systems: A Sustainable Solution for the New Zealand Context. <b>2020</b> , 30, 192-200		10
186	Employment of crumb rubber tyre in concrete masonry bricks. <i>Materials Today: Proceedings</i> , <b>2020</b> , 32, 553-559	1.4	15
185	Mechanical and dynamic properties of high strength concrete with well graded coarse and fine tire rubber. <i>Construction and Building Materials</i> , <b>2020</b> , 246, 118502	6.7	18
184	Utilization of tire chips as a substitute for coarse aggregate in concrete. <b>2020</b> , 419, 012068		
183	Utilization of Pyrolytic Carbon Black Waste for the Development of Sustainable Materials. <b>2020</b> , 8, 174		7
182	Shake-table tests on frame built in crumb rubber concrete. <b>2020</b> , 23, 2003-2017		2
181	Impact of Chemically Treated Waste Rubber Tire Aggregates on Mechanical, Durability and Thermal Properties of Concrete. <b>2020</b> , 7,		11
180	A potential damage mechanism of rubberized cement under freeze-thaw cycle. <i>Construction and Building Materials</i> , <b>2020</b> , 252, 119054	6.7	9
179	Recent applications of waste solid materials in pavement engineering. <i>Waste Management</i> , <b>2020</b> , 108, 78-105	8.6	54
178	Mechanical properties and durability of rubberized and SBR latex modified rubberized concrete. <i>Construction and Building Materials</i> , <b>2020</b> , 248, 118584	6.7	9
177	Rendering mortars with crumb rubber: Mechanical strength, thermal and fire properties and durability behaviour. <i>Construction and Building Materials</i> , <b>2020</b> , 253, 119002	6.7	10
176	Rheological behavior and fresh properties of self-compacting high strength concrete containing recycled PP particles with fly ash and silica fume blended. <i>Journal of Building Engineering</i> , <b>2021</b> , 34, 101657	5.2	12

175	Numerical modelling of the mechanical behaviour of rubbercrete. <b>2021</b> , 242, 106393		6
174	Flexural response of fiber reinforced concrete beams with waste tires rubber and recycled aggregate. <i>Journal of Cleaner Production</i> , <b>2021</b> , 278, 123842	10.3	20
173	Development of ternary blended rubberized cement mortar. <i>Materials Today: Proceedings</i> , <b>2021</b> , 43, 1241-1245	1.4	
172	Push-off and Pull-out Bond Behaviour of CRC Composite Slabs [An Experimental Investigation]. <b>2021</b> , 228, 111480		5
171	Scope of reusing waste shredded tires in concrete and cementitious composite materials: A review. <i>Journal of Building Engineering</i> , <b>2021</b> , 35, 102014	5.2	19
170	Rubberized cemented concrete composites: A review. <i>Materials Today: Proceedings</i> , <b>2021</b> , 44, 4838-4842	1.4	4
169	Investigation of Mechanical Properties of Concrete Containing Liquid Silicone Rubber Under Axial Loads. <b>2021</b> , 2021, 1-13		
168	Effect of age and waste crumb rubber aggregate proportions on flexural characteristics of self-compacting rubberized concrete.		1
167	Experimental Investigation and a Predictive Model of the Strength Evolution of Rubberized Cementitious Materials Based on the Virtual Pore Method. <i>Journal of Materials in Civil Engineering</i> , <b>2021</b> , 33, 04020499	3	1
166	Mechanical properties of fly ash-based geopolymer concrete with crumb rubber and steel fiber under ambient and sulfuric acid conditions. <i>Construction and Building Materials</i> , <b>2021</b> , 281, 122571	6.7	15
165	Performance Evaluation of Modified Rubberized Concrete Exposed to Aggressive Environments. <i>Materials</i> , <b>2021</b> , 14,	3.5	4
164	Effect of adding rubber aggregates on the behaviour of compacted sand concrete. <b>2021</b> , 6, 1		1
163	Initial Assessment of Liquefied Scrap Tire Concrete. <i>Journal of Materials in Civil Engineering</i> , <b>2021</b> , 33, 04021076	3	
162	Practical Rubber Pre-Treatment Approach for Concrete Use[An Experimental Study]. <i>Journal of Composites Science</i> , <b>2021</b> , 5, 143	3	4
161	Influence of Tire Chip Size on The Behavior of Rubberized Concrete. <b>2021</b> , 2, 18-22		1
160	Research on influencing factors of rubber concrete performance based on grey correlation theory. <b>2021</b> , 783, 012061		
159	Utilization of Crumb Rubber and High-Volume Fly Ash in Concrete for Environmental Sustainability: RSM-Based Modeling and Optimization. <i>Materials</i> , <b>2021</b> , 14,	3.5	4
158	Use of recycled fibers in concrete composites: A systematic comprehensive review. <b>2021</b> , 215, 108769		33

157	On rubberized engineered cementitious composites (R-ECC): A review of the constituent material. <i>Case Studies in Construction Materials</i> , <b>2021</b> , 14, e00536	2.7	2
156	Predicting the Compressive Strength of Rubberized Concrete Using Artificial Intelligence Methods. <b>2021</b> , 13, 7729		4
155	Preparation and Mechanical-Fatigue Properties of Elastic Polyurethane Concrete Composites. <i>Materials</i> , <b>2021</b> , 14,	3.5	9
154	Crumb Rubber in Concrete—The Barriers for Application in the Construction Industry. <b>2021</b> , 6, 116		4
153	Performance of crumb rubber concrete composite-deck slabs in 4-point-bending. <i>Journal of Building Engineering</i> , <b>2021</b> , 40, 102695	5.2	5
152	Mechanical and restrained shrinkage behaviors of cement mortar incorporating waste tire rubber particles and expansive agent. <i>Construction and Building Materials</i> , <b>2021</b> , 296, 123742	6.7	5
151	Evaluating mechanical properties and impact resistance of modified concrete containing ground Blast Furnace slag and discarded rubber tire crumbs. <i>Construction and Building Materials</i> , <b>2021</b> , 295, 123603	6.7	11
150	The fabrication of calcium silicate-natural rubber composite for mechanical energy harvesting. <b>2021</b> , 25, 101180		0
149	Effect of Waste Tire Rubber Particles on Concrete Abrasion Resistance Under High-Speed Water Flow. <i>International Journal of Concrete Structures and Materials</i> , <b>2021</b> , 15,	2.8	0
148	Effect of recycled rubber aggregate size on fracture and other mechanical properties of structural concrete. <i>Journal of Cleaner Production</i> , <b>2021</b> , 314, 128230	10.3	8
147	Effect of pre-treatment methods of crumb rubber on strength, permeability and acid attack resistance of rubberised geopolymer concrete. <i>Journal of Building Engineering</i> , <b>2021</b> , 41, 102448	5.2	4
146	Development of deep neural network model to predict the compressive strength of rubber concrete. <i>Construction and Building Materials</i> , <b>2021</b> , 301, 124081	6.7	20
145	Thermal resistivity, sound absorption and vibration damping of concrete composite doped with waste tire Rubber: A review. <i>Construction and Building Materials</i> , <b>2021</b> , 299, 123939	6.7	9
144	Mechanical and Microstructural Properties of Rubberized Concrete After Surface Modification of Waste Tire Rubber Crumb. 1		2
143	Impact resistance of concrete produced with plain and reinforced cold-bonded fly ash aggregates. <i>Journal of Building Engineering</i> , <b>2021</b> , 42, 102875	5.2	2
142	Sustainable rubberized concrete mixed with surface treated PCM lightweight aggregates subjected to high temperature cycle. <i>Construction and Building Materials</i> , <b>2021</b> , 303, 124535	6.7	3
141	Properties of eco-friendly basalt fibre reinforced concrete designed by Taguchi method. <i>Construction and Building Materials</i> , <b>2021</b> , 302, 124161	6.7	7
140	Modelling mechanical properties and bond behaviour of rubbercrete. <i>Construction and Building Materials</i> , <b>2021</b> , 305, 124735	6.7	0

139	Synthesis of rubberized Alkali-activated Concrete: Experimental and numerical evaluation. <i>Construction and Building Materials</i> , <b>2021</b> , 303, 124526	6.7	6
138	Bond behaviour between crumb rubberized concrete and deformed steel bars. <i>Structures</i> , <b>2021</b> , 34, 2115-2133	5.4	1
137	Crack properties, toughness and absorption evaluation of FRCC incorporating reclaimed asphalt pavement and crumb rubber as aggregates. <i>Cleaner Materials</i> , <b>2021</b> , 1, 100004		
136	Performance optimization of ground rubberized green concrete with metakaolin. <i>Structures</i> , <b>2021</b> , 34, 433-448	3.4	0
135	Reuse of tire constituents in concrete. <b>2021</b> , 547-564		
134	An analytical study of strengthening conventional concrete by replacing it with rubcrete concrete. <i>Materials Today: Proceedings</i> , <b>2021</b> , 45, 2972-2975	1.4	
133	Use of Industrial Waste as Aggregate: Properties of Concrete. <b>2013</b> , 115-228		1
132	Scrap Tires. <b>2008</b> , 121-145		1
131	Influence of Rubber on Mechanical Properties of Conventional and Self Compacting Concrete. <b>2015</b> , 1785-1794		8
130	Investigation of the Behaviour of Concrete Containing Waste Tire Crumb Rubber. <b>2015</b> , 1795-1802		11
129	Effect of Styrene-Butadiene Copolymer Coating on Properties of Rubberized Cement-Based Composites. <b>2018</b> , 342-350		2
128	Flexural behavior of rubberized concrete beams strengthened in shear using welded wire mesh. <i>Composite Structures</i> , <b>2020</b> , 247, 112485	5.3	7
127	Effect of insulation materials and cavity layout on heat transfer of concrete masonry hollow blocks. <i>Construction and Building Materials</i> , <b>2020</b> , 254, 119300	6.7	25
126	Effects of pre-treatment using waste quarry dust on the adherence of recycled tyre rubber particles to cementitious paste in rubberised concrete. <i>Construction and Building Materials</i> , <b>2020</b> , 254, 119325	6.7	10
125	Impact of elevated temperatures on the structural performance of recycled rubber concrete: Experimental and mathematical modeling. <i>Construction and Building Materials</i> , <b>2020</b> , 255, 119374	6.7	33
124	Environmental performance and durability of concrete incorporating waste tire rubber and steel fiber subjected to acid attack. <i>Journal of Cleaner Production</i> , <b>2020</b> , 268, 122216	10.3	13
123	Experimental Study on Compressive Behavior of FRP-Confined Expansive Rubberized Concrete. <b>2020</b> , 24, 04020034		10
122	Properties of high-strength concrete containing well graded rubber particles. <i>IOP Conference Series: Materials Science and Engineering</i> , 800, 012018	0.4	1

121	Experimental investigation on durability performance of rubberized concrete. <b>2014</b> , 2, 193-207		10
120	Fresh and hardened properties of rubberized concrete using fine rubber and silpozz. <b>2016</b> , 4, 49-69		9
119	An investigation on its microstructure of the concrete containing waste vehicle tire. <b>2008</b> , 5, 503-508		4
118	A study on dynamic modulus of self-consolidating rubberized concrete. <b>2015</b> , 15, 795-805		4
117	Effect of fiber geometry on the electromagnetic shielding performance of mortar. <b>2016</b> , 17, 281-294		3
116	Investigations on Fiber-Reinforced Rubcrete for Railway Sleepers. <i>ACI Structural Journal</i> , <b>2020</b> , 117,	1.7	1
115	The Effect of Crumb Rubber on Freeze-Thaw Durability of Portland Cement Concrete. <b>2013</b> , 2, 20120057		1
114	Review of the Performance of High-Strength Rubberized Concrete and Its Potential Structural Applications. <b>2016</b> , 5, 20150026		9
113	Experimental and Numerical Study on the Behavior of Rubberized Concrete. <b>2017</b> , 6, 20160026		7
112	Cementitious Composites Containing Recycled Tire Rubber: An Overview of Engineering Properties and Potential Applications. <b>2001</b> , 23, 3		105
111	Effect of Rubber Incorporation on the Behavior of Pavement Cemented Mixtures under Cyclic Flexural Loading: A Preliminary Study. <b>2020</b> , 48, 20170746		2
110	EXPERIMENTAL INVESTIGATION OF SEISMIC RESPONSE PARAMETERS OF RUBBERISED AGGREGATE CONCRETE FRAME STRUCTURE. <b>2020</b> , XVII, 31-43		1
109	Effects of Recycled Tires Rubber Aggregates on the Characteristics of Cement Concrete. <b>2012</b> , 02, 193-197		19
108	Experimental Investigation on Mechanical Characteristics and Environmental Effects on Rubber Concrete. <i>International Journal of Concrete Structures and Materials</i> , <b>2010</b> , 4, 17-23	2.8	16
107	Failure Mode and Modulus Elasticity of Concrete Containing Recycled Tire Rubber. <b>2011</b> , 37, 16-24		12
106	Mechanical Behavior of Rubberized Geopolymer Composites. 1-24		
105	Experimental investigation on dynamic properties of ultra-high-performance rubberized concrete (UHPRuC). <i>Construction and Building Materials</i> , <b>2021</b> , 307, 125104	6.7	4
104	Flexible Crumb Tire Rubber-Filled Cement Mortars as a Protective System for Buried Infrastructure. <b>2005</b> , 2, 10993		

103	Strategies for Reuse of Rubber Tires. <b>2005</b> ,		
102	Green Materials for Concrete Production. <b>2015</b> , 165-195		
101	Rubberized-PET and Rubberized-Coconut Shell as Fine Aggregate in Concrete. <b>2016</b> , 221-231		1
100	Laboratory Investigation of Self-Consolidating Waste Tire Rubberized Concrete. <i>ACI Materials Journal</i> , <b>2016</b> , 113,	0.9	
99	Behaviour of FRP-Confined Rubberised Concrete with Internal Recycled Tyre Steel Fibres. <b>2018</b> , 233-241		
98	Influence of Tire Derived Aggregates as Alternative Fine Aggregates on Engineering Properties of Low Strength Concrete. <i>Environmental Science and Engineering</i> , <b>2019</b> , 359-366	0.2	
97	Study on Rubberized Concrete Reinforced with Different Fibers. <i>ACI Materials Journal</i> , <b>2019</b> , 116,	0.9	1
96	WATER PERMEABILITY AND CHLORIDE AND SULPHATE RESISTANCE OF RUBBERISED FIBRE MORTAR. <i>Journal of Civil Engineering Science and Technology</i> , <b>2019</b> , 10, 135-146	0.7	0
95	Investigation of Mechanical Properties of Granulated Waste Rubber Aggregates Substituted Self-Compacting Concrete Mortar Produced with Different Cement. <i>Uluslararası Muhendislik Arastirma Ve Gelistirme Dergisi</i> , <b>2020</b> , 12, 787-798	0.2	0
94	Feasibility of Recycled Tyre as Reinforcing Material for Pavements. <i>Lecture Notes in Civil Engineering</i> , <b>2021</b> , 363-379	0.3	
93	Prediction of the Compressive Strength of Rubberized Concrete Based on Machine Learning Algorithm. <i>Lecture Notes in Civil Engineering</i> , <b>2022</b> , 1907-1915	0.3	
92	Green mix design of rubbercrete using machine learning-based ensemble model and constrained multi-objective optimization. <i>Journal of Cleaner Production</i> , <b>2021</b> , 327, 129518	10.3	3
91	Equations for prediction of rubberized concrete compressive strength: a literature review. <b>2020</b> , 857-876		
90	Development of sustainable concrete using recycled high-density polyethylene and crumb tires: Mechanical and thermal properties. <i>Journal of Building Engineering</i> , <b>2022</b> , 45, 103399	5.2	2
89	Preparation and properties of rubberised geopolymer concrete: A review. <i>Construction and Building Materials</i> , <b>2021</b> , 313, 125504	6.7	2
88	Physical, mechanical and thermal properties of Crushed Sand Concrete containing Rubber Waste. <i>MATEC Web of Conferences</i> , <b>2018</b> , 149, 01076	0.3	1
87	Fracture Behaviour of Steel Fibre Reinforced Rubcrete. <i>Lecture Notes in Civil Engineering</i> , <b>2021</b> , 619-628	0.3	
86	Behavior of Steel Fiber-Reinforced Rubcrete Deep Beams under Shear. <i>ACI Structural Journal</i> , <b>2022</b> ,	1.7	



85	Mechanical properties of alkali-activated concrete containing crumb rubber particles. <i>Case Studies in Construction Materials</i> , <b>2022</b> , 16, e00803	2.7	1
84	Damping of rubberized recycled aggregate concrete and damping estimation of its elements by finite element analysis. <i>Composite Structures</i> , <b>2021</b> , 281, 114967	5.3	0
83	Performance of Sustainable Concrete Containing Recycled Latex Gloves and Silicone Catheter under Elevated Temperature. <i>Journal of King Saud University, Engineering Sciences</i> , <b>2021</b> ,	2.2	0
82	Rubberized Geopolymer Composites: Value-Added Applications. <i>Journal of Composites Science</i> , <b>2021</b> , 5, 312	3	2
81	Numerical Simulation of Modified Rubberized Concrete Block Under Impact Loads. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2021</b> , 1200, 012022	0.4	
80	Monitoring innovation metrics in construction and civil engineering: Trends, drivers and laggards. <i>Developments in the Built Environment</i> , <b>2021</b> , 9, 100064	5.1	3
79	Toward the development of sustainable concrete with Crumb Rubber: Design-oriented Models, Life-Cycle-Assessment and a site application. <i>Construction and Building Materials</i> , <b>2022</b> , 315, 125565	6.7	3
78	Integrating technical-environmental-economical perspectives for optimizing rubber content in concrete by multi-criteria analysis. <i>Construction and Building Materials</i> , <b>2022</b> , 319, 125820	6.7	0
77	Practical Application of Crumb Rubber Concrete in Residential Slabs. <i>Structures</i> , <b>2022</b> , 36, 837-853	3.4	0
76	Towards the development of sustainable concrete incorporating waste tyre rubbers: A long-term study of physical, mechanical & durability properties and environmental impact. <i>Journal of Cleaner Production</i> , <b>2022</b> , 334, 130223	10.3	2
75	Enhancing mechanical performance of waste tire concrete with surface double pre-coating by resin and micro-silica. <i>Journal of Building Engineering</i> , <b>2022</b> , 50, 104084	5.2	0
74	Experimental investigation on bond-slip behavior of self-compacting rubberized concrete-filled steel tubes. <i>Journal of Adhesion Science and Technology</i> , 1-22	2	
73	Effects of Surface Modification of Crumb Rubber with Polyvinyl Acetate on Rubberized Concrete. <i>ACI Materials Journal</i> , <b>2022</b> , 119,	0.9	
72	Mechanical properties and environmental impact of rubberized fly ash- and red mud-based geopolymer concrete. <i>European Journal of Environmental and Civil Engineering</i> , 1-24	1.5	2
71	Properties of Lime-Cement Concrete Containing Various Amounts of Waste Tire Powder under Different Ground Moisture Conditions.. <i>Polymers</i> , <b>2022</b> , 14,	4.5	3
70	Thermal and acoustic properties of sustainable structural lightweight aggregate rubberized concrete. <i>Results in Engineering</i> , <b>2022</b> , 13, 100333	3.3	4
69	Probabilistic models of concrete compressive strength and elastic modulus with rubber aggregates. <i>Construction and Building Materials</i> , <b>2022</b> , 322, 126145	6.7	0
68	The role of performance metrics in comparative LCA of concrete mixtures incorporating solid wastes: A critical review and guideline proposal.. <i>Waste Management</i> , <b>2022</b> , 140, 40-54	8.6	1

67	A study on the microstructure and durability performance of rubberized concrete with waste glass as binding material. <i>Journal of Building Engineering</i> , <b>2022</b> , 49, 104054	5.2	3
66	Chemically treated tyre rubber concrete review. <i>Materials Today: Proceedings</i> , <b>2022</b> ,	1.4	
65	Experimental investigation on crumb rubber based concrete bricks along with polypropylene and steel fibers. <i>Asian Journal of Civil Engineering</i> , <b>2022</b> , 23, 357	1.5	0
64	Experimental study on the mechanical properties of hybrid fiber rubber concrete. <b>2022</b> ,		
63	Carbonation Depth and Chloride Ion Penetration Properties of Rubberised Concrete Incorporated Ground Blast Furnace Slag. <i>Solid State Phenomena</i> , 329, 101-108	0.4	0
62	Influence of tire rubber waste on the fire behavior of gypsum coatings of construction and structural elements. <i>Materiales De Construccion</i> , <b>2022</b> , 72, e275	1.8	0
61	Effects of recycled tyre rubber and steel fibre on the impact resistance of slag-based self-compacting alkali-activated concrete. <i>European Journal of Environmental and Civil Engineering</i> , 1-19	1.5	1
60	Sustainable use of chemically modified tyre rubber in concrete: Machine learning based novel predictive model. <i>Chemical Physics Letters</i> , <b>2022</b> , 793, 139478	2.5	3
59	Role of recycled vehicle tires quantity and size on the properties of metakaolin-based geopolymer rubberized concrete. <i>Journal of Materials Research and Technology</i> , <b>2022</b> , 18, 2593-2607	5.5	2
58	Performance enhancement of rubberised-alkali-activated-concrete utilising ultra-fine slag and fly ash. <i>Cleaner Materials</i> , <b>2022</b> , 4, 100080		1
57	Axial compressive behavior of square steel tube confined rubberized concrete stub columns. <i>Journal of Building Engineering</i> , <b>2022</b> , 52, 104371	5.2	1
56	Effect of rubber particles on properties of abrasion resistant concrete. <b>2021</b> ,		
55	Mechanical properties of ramie fibers and hooked-end steel fibers reinforced high strength concrete incorporating metakaolin and silica fume. <i>Journal of Building Pathology and Rehabilitation</i> , <b>2022</b> , 7, 1	1.8	0
54	Understanding Various Cement Compositions and Its Application. <b>2022</b> , 1, 9-14		0
53	Experimental Study on the Property and Mechanism of the Bonding Between Rubberized Concrete and Normal Concrete. <i>International Journal of Concrete Structures and Materials</i> , <b>2022</b> , 16,	2.8	
52	Effects of partial replacement of fine aggregates with crumb rubber on skid resistance and mechanical properties of cement concrete pavements. <i>International Journal of Pavement Engineering</i> , 1-11	2.6	0
51	Coupled effect of waste tire rubber and steel fibers on the mechanical properties of concrete. <i>Materials Science-Poland</i> , <b>2022</b> , 40, 49-59	0.6	0
50	Compressive Strength Prediction of Rubber Concrete Based on Artificial Neural Network Model with Hybrid Particle Swarm Optimization Algorithm. <i>Materials</i> , <b>2022</b> , 15, 3934	3.5	2

49	Synergy of RHA and silica sand on physico-mechanical and tribological properties of waste plastic reinforced thermoplastic composites as floor tiles. <i>Environmental Science and Pollution Research</i> ,	5.1	0
48	A study on mechanical properties of rubberised concrete containing burnt clay powder. <i>Heliyon</i> , <b>2022</b> , e09614	3.6	0
47	Systematic Experimental Assessment of POFA Concrete Incorporating Waste Tire Rubber Aggregate. <i>Polymers</i> , <b>2022</b> , 14, 2294	4.5	0
46	Development of metakaolin-based geopolymer rubberized concrete: fresh and hardened properties. <i>Archives of Civil and Mechanical Engineering</i> , <b>2022</b> , 22,	3.4	2
45	Waste Management for Green Concrete Solutions: A Concise Critical Review. <i>Recycling</i> , <b>2022</b> , 7, 37	3.2	0
44	Rubberized geopolymer composites: A comprehensive review. <i>Ceramics International</i> , <b>2022</b> ,	5.1	3
43	Influence of waste tyre rubber of different aggregate forms and sizes on the sustainable behaviour of self-compacting sand concrete in aggressive environment. <i>Journal of Rubber Research (Kuala Lumpur, Malaysia)</i> ,	0.9	
42	Experimental Study of Naoh Pretreated Crumb Rubber Concrete as Substitute of Fine Aggregate. <i>SSRN Electronic Journal</i> ,	1	
41	Analytical evaluation of compressive strength for concrete with rubber fine aggregates and the predictive model. <i>Construction and Building Materials</i> , <b>2022</b> , 345, 128359	6.7	
40	Utilisation of crumb tire rubber in development of sustainable metakaolin based high strength concrete. <i>Construction and Building Materials</i> , <b>2022</b> , 345, 128412	6.7	0
39	Strength, durability and shrinkage behaviours of steel fiber reinforced rubberized concrete. <i>Construction and Building Materials</i> , <b>2022</b> , 345, 128295	6.7	1
38	Experimental and Statistical Investigation to Evaluate Impact Strength Variability and Reliability of Replaced Aggregate Concrete Containing Crumped Rubber and Fibres. <b>2022</b> , 15, 5156		0
37	Effect of Particle Sizes and Dosages of Rubber Waste on the Mechanical Properties of Rubberized Concrete Composite. <b>2022</b> , 12, 8460		1
36	Estimating mechanical and dynamic properties of rubberized concrete using machine learning techniques: a comprehensive study. <b>2022</b> , 39, 3129-3178		0
35	Overview of Concrete Performance Made with Waste Rubber Tires: A Step toward Sustainable Concrete. <b>2022</b> , 15, 5518		2
34	New confining stress-based design for rubberised concrete-filled single/double-skin steel tubular short columns. <b>2022</b> , 197, 107435		0
33	Effect of different crumb rubber particle sizes on the flexural properties of crumb rubber concrete. <b>2022</b> , 326, 132960		0
32	Uniaxial compressive stress-strain relationship for rubberized concrete with coarse aggregate replacement up to 100%. <b>2022</b> , 17, e01336		

- 31 Experimental study on preparation and properties of low content rubberized geopolymer mortar. **2022**, 352, 128980 0
- 30 Experimental assessment and constitutive modelling of rubberised One-Part Alkali-Activated concrete. **2022**, 353, 129161 0
- 29 A comprehensive review on the application of renewable waste tire rubbers and fibers in sustainable concrete. **2022**, 374, 133998 2
- 28 Investigation of the Effect of Crumb Rubber on the Static and Dynamic Response of Reinforced Concrete Panels. **2022**, 14, 10810 0
- 27 Lateral Impact Response of Rubberized-Fibrous Concrete-Filled Steel Tubular Columns: Experiment and Numerical Study. **2022**, 12, 1566 0
- 26 Novel uses of recycled rubber in civil applications. **2022**, 0
- 25 Impact of crumb rubber particle size on the mechanical and microstructure properties of rubberized concrete. 0
- 24 Behavior of ternary blended cementitious rubberized mixes reinforced with recycled tires steel fibers under different types of impact loads. **2022**, 45, 2292-2305 0
- 23 Experimental study of NaOH pretreated crumb rubber as substitute of fine aggregate in concrete. **2022**, 358, 129448 0
- 22 Recycling of waste tire rubber as aggregate in impact-resistant engineered cementitious composites. **2022**, 359, 129477 0
- 21 An experimental dynamic study of cement mortar with polyurethane residues and foundry sand. **2023**, 274, 115107 1
- 20 The Effects of the Type and Quantity of Recycled Materials on Physical and Mechanical Properties of Concrete and Mortar: A Review. **2022**, 14, 14752 0
- 19 Applying Kernel Principal Component Analysis for Enhanced Multivariable Regression Modeling of Rubberized Concrete Properties. 0
- 18 A Comparative Assessment of Regularized Regression Techniques for Modeling the Mechanical Properties of Rubberized Concrete. **2022**, 16, 0
- 17 Experimental Study of Rubber-Concrete-Filled CST Composite Column Under Axial Compression. 0
- 16 Comparative Effects of Chemical Pretreatments on Mechanical Properties of Sustainable Rubberized Concrete. 22, 1-13 0
- 15 Improving the Performance of Lightweight Crumb Rubber Mortar Using Synthetic, Natural, and Hybrid Fiber Reinforcements. **2023**, 11, 9 1
- 14 Experimental investigation of durability properties of rubberized concrete. **2023**, 102111 0

13	Assessment of Thermal and Mechanical Properties of Cement-Based Materials Part 1: Crumb Rubber Concrete. <b>2023</b> , 13, 324	0
12	Recycled aggregates and their properties. <b>2023</b> , 119-159	1
11	Rubberized CFDST short columns. <b>2023</b> , 271-339	0
10	Durability and mechanical properties of rubber concrete incorporating basalt and polypropylene fibers: Experimental evaluation at elevated temperatures. <b>2023</b> , 368, 130445	0
9	Investigation of durability properties for structural lightweight concrete with discarded vehicle tire rubbers: A study for the complete replacement of conventional coarse aggregates. <b>2023</b> , 369, 130634	0
8	Macro- and micro- mechanisms associated with valorization of waste rubber in cement-based concrete and thermoplastic polymer composites: A critical review. <b>2023</b> , 371, 130807	0
7	Influence of rubber powder size and volume fraction on dynamic compressive properties of rubberized mortar. <b>2023</b> , 420, 118376	0
6	Rubber aggregates' effect on the rheological and mechanical behavior of self-compacting concrete. <b>2023</b> ,	0
5	Optimization of the water/cement ratio of rubberized ceramsite concrete. <b>2023</b> , 26, 27-36	0
4	Fresh and hardened properties of waste rubber tires based concrete: a state art of review. <b>2023</b> , 5,	0
3	Investigation of Compressive Strength of Rubberized Concrete Improvised with Silica Fume. 22-27	0
2	Reuse of waste rubber in pervious concrete: Experiment and DEM simulation. <b>2023</b> , 71, 106452	0
1	Compressive and splitting tensile impact properties of rubberised one-part alkali-activated concrete. <b>2023</b> , 71, 106596	0