

Anya Vollpracht

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

2,075
citations

331259

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276539

41
g-index

47
all docs

47
docs citations

47
times ranked

1457
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | The pore solution of blended cements: a review. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 3341-3367. | 1.3 | 323 |
| 2 | TC 238-SCM: hydration and microstructure of concrete with SCMs. <i>Materials and Structures/Materiaux Et Constructions</i> , 2015, 48, 835-862. | 1.3 | 189 |
| 3 | Isothermal calorimetry and in-situ XRD study of the NaOH activated fly ash, metakaolin and slag. <i>Cement and Concrete Research</i> , 2018, 103, 110-122. | 4.6 | 185 |
| 4 | Reactivity tests for supplementary cementitious materials: RILEM TC 267-TRM phase 1. <i>Materials and Structures/Materiaux Et Constructions</i> , 2018, 51, 1. | 1.3 | 144 |
| 5 | Report of TC 238-SCM: hydration stoppage methods for phase assemblage studies of blended cements – results of a round robin test. <i>Materials and Structures/Materiaux Et Constructions</i> , 2018, 51, 1. | 1.3 | 132 |
| 6 | Understanding the carbonation of concrete with supplementary cementitious materials: a critical review by RILEM TC 281-CCC. <i>Materials and Structures/Materiaux Et Constructions</i> , 2020, 53, 1. | 1.3 | 123 |
| 7 | RILEM TC-238 SCM recommendation on hydration stoppage by solvent exchange for the study of hydrate assemblages. <i>Materials and Structures/Materiaux Et Constructions</i> , 2018, 51, 1. | 1.3 | 117 |
| 8 | Outcomes of the RILEM round robin on degree of reaction of slag and fly ash in blended cements. <i>Materials and Structures/Materiaux Et Constructions</i> , 2017, 50, 1. | 1.3 | 101 |
| 9 | Pervious concrete made of alkali activated slag and geopolymers. <i>Construction and Building Materials</i> , 2018, 189, 797-803. | 3.2 | 95 |
| 10 | Binding and leaching of trace elements in Portland cement pastes. <i>Cement and Concrete Research</i> , 2016, 79, 76-92. | 4.6 | 84 |
| 11 | One year geopolymerisation of sodium silicate activated fly ash and metakaolin geopolymers. <i>Cement and Concrete Composites</i> , 2019, 95, 98-110. | 4.6 | 74 |
| 12 | Tensile strength of concrete exposed to sulfate attack. <i>Cement and Concrete Research</i> , 2019, 116, 81-88. | 4.6 | 69 |
| 13 | Study of alkali activated slag as alternative pavement binder. <i>Construction and Building Materials</i> , 2018, 186, 626-634. | 3.2 | 37 |
| 14 | Strength development of GGBS and fly ash concretes and applicability of fib model code's maturity function – A critical review. <i>Construction and Building Materials</i> , 2018, 162, 830-846. | 3.2 | 36 |
| 15 | pH dependent leaching characterization of major and trace elements from fly ash and metakaolin geopolymers. <i>Cement and Concrete Research</i> , 2019, 125, 105889. | 4.6 | 35 |
| 16 | Influence of leachate composition on the leaching behaviour of concrete. <i>Cement and Concrete Research</i> , 2017, 100, 423-434. | 4.6 | 33 |
| 17 | Report of RILEM TC 267-TRM phase 3: validation of the R3 reactivity test across a wide range of materials. <i>Materials and Structures/Materiaux Et Constructions</i> , 2022, 55, . | 1.3 | 32 |
| 18 | Robotic application of foam concrete onto bare wall elements - Analysis, concept and robotic experiments. <i>Automation in Construction</i> , 2018, 89, 299-306. | 4.8 | 30 |

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|----|---|-----|-----------|
| 19 | Leaching of monolithic geopolymer mortars. Cement and Concrete Research, 2020, 136, 106161. | 4.6 | 30 |
| 20 | Report of RILEM TC 267-TRM phase 2: optimization and testing of the robustness of the R3 reactivity tests for supplementary cementitious materials. Materials and Structures/Materiaux Et Constructions, 2022, 55, 1. | 1.3 | 29 |
| 21 | Ground Granulated Blast-Furnace Slag. RILEM State-of-the-Art Reports, 2018, , 1-53. | 0.3 | 25 |
| 22 | Recommendation of RILEM TC 238-SCM: determination of the degree of reaction of siliceous fly ash and slag in hydrated cement paste by the selective dissolution method. Materials and Structures/Materiaux Et Constructions, 2018, 51, 1. | 1.3 | 21 |
| 23 | Robot assisted deconstruction of multi-layered façade constructions on the example of external thermal insulation composite systems. Construction Robotics, 2017, 1, 39-47. | 1.2 | 19 |
| 24 | Investigations on the leaching behavior of fresh concrete – A review. Construction and Building Materials, 2021, 272, 121390. | 3.2 | 10 |
| 25 | Report of RILEM TC 281-CCC: outcomes of a round robin on the resistance to accelerated carbonation of Portland, Portland-fly ash and blast-furnace blended cements. Materials and Structures/Materiaux Et Constructions, 2022, 55, 99. | 1.3 | 10 |
| 26 | Investigations on the leaching behaviour of irrigated construction elements. Environmental Science and Pollution Research, 2010, 17, 1177-1182. | 2.7 | 9 |
| 27 | Environmental compatibility of bitumen waterproofing. Materials and Structures/Materiaux Et Constructions, 2013, 46, 1257-1264. | 1.3 | 8 |
| 28 | Ultra-lightweight foamed concrete for an automated facade application. Magazine of Concrete Research, 2019, 71, 424-436. | 0.9 | 8 |
| 29 | Applicability of fib model code’s maturity function for estimating the strength development of GGBS concretes. Construction and Building Materials, 2020, 264, 120157. | 3.2 | 8 |
| 30 | Report of RILEM TC 267-TRM: Improvement and robustness study of lime mortar strength test for assessing reactivity of SCMs. Materials and Structures/Materiaux Et Constructions, 2022, 55, 1. | 1.3 | 8 |
| 31 | Auslaugverhalten von Putzen und Mörteln. Mauerwerk, 2012, 16, 2-9. | 0.2 | 7 |
| 32 | Leaching of Carbon Reinforced Concrete – Part 1: Experimental Investigations. Materials, 2020, 13, 4405. | 1.3 | 7 |
| 33 | Performance Test for Sulfate Resistance of Concrete by Tensile Strength Measurements: Determination of Test Criteria. Crystals, 2021, 11, 1018. | 1.0 | 5 |
| 34 | Development of a Sulfate Resistance Performance Test for Concrete by Tensile Strength Measurements: Determination of Test Conditions. Crystals, 2021, 11, 1001. | 1.0 | 5 |
| 35 | Umweltverträglichkeit von mineralischen Baustoffen. Mauerwerk, 2009, 13, 190-194. | 0.2 | 4 |
| 36 | Environmental Compatibility of Carbon Reinforced Concrete: Irrigated Construction Elements. Key Engineering Materials, 2019, 809, 314-319. | 0.4 | 4 |

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|----|---|-----|-----------|
| 37 | Leaching of Carbon Reinforced Concreteâ€™Part 2: Discussion of Evaluation Concepts and Modelling. Materials, 2020, 13, 4937. | 1.3 | 4 |
| 38 | Environmental Impact of Construction Products on Aquatic Systemsâ€™Principles of an Integrated Sourceâ€™Pathâ€™Target Concept. Water (Switzerland), 2022, 14, 228. | 1.2 | 2 |
| 39 | Optimization of a German short term percolation test to determine the leaching of granular materials. Waste Management, 2020, 105, 433-444. | 3.7 | 1 |
| 40 | Robotic Application of Foam Concrete onto Bare Wall Elements. , 2016, , . | | 1 |
| 41 | Improving consistency at testing cementitious materials in the Dynamic Surface Leaching Test on the basis of the European technical specification CEN/TS 16637â€™2 â€™ Results of a round robin test. Journal of Environmental Management, 2022, 314, 114959. | 3.8 | 1 |
| 42 | Untersuchungen zum Auslagverhalten beregneter Bauteile. Bautechnik, 2009, 86, 404-408. | 0.2 | 0 |
| 43 | Recycling of Slightly Contaminated Demolition Wasteâ€™Part 1: Inorganic Constituents. RILEM Bookseries, 2021, , 87-101. | 0.2 | 0 |
| 44 | Recycling of Slightly Contaminated Demolition Wasteâ€™Part 2: PAH. RILEM Bookseries, 2021, , 75-86. | 0.2 | 0 |