

# Andrey V Benin

## List of Publications by Year in descending order

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42  
papers

270  
citations

1040056

9  
h-index

1058476

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g-index

45  
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45  
docs citations

45  
times ranked

86  
citing authors

#	ARTICLE	IF	CITATIONS
1	Methodology for Assessing the Response Parameters of Multi-storey Buildings with Non-linear Dynamic Vibration Dampers in Case of Seismic Impacts. Lecture Notes in Civil Engineering, 2022, , 553-564.	0.4	3
2	Research of Statistical Uncertainties in Measuring the Mass of a Car in Motion Under Repeatability Conditions. Lecture Notes in Networks and Systems, 2022, , 304-312.	0.7	0
3	Modeling of Dynamic Crack Propagation Under Quasistatic Loading. Lecture Notes in Networks and Systems, 2022, , 577-585.	0.7	0
4	Analysis of the Possibility of Detecting Inhomogeneous Metal Inclusions in Welded Joints of Rails Under Ultrasonic Control. Lecture Notes in Networks and Systems, 2022, , 674-682.	0.7	0
5	Factors Affecting Additional Pressure Distribution from Ground Construction on Subway Tunnels. Proceedings of Petersburg Transport University, 2022, 19, 367-377.	0.2	0
6	Forecasting the strength properties of the large diameter polymer rebar based on the experimental analysis of its structure. MATEC Web of Conferences, 2020, 313, 00036.	0.2	0
7	An assessment of the sewer tunnel stress-strain behavior during the reconstruction of an object of cultural heritage. E3S Web of Conferences, 2020, 157, 02008.	0.5	10
8	On estimating the reduction factor of bridge piers. E3S Web of Conferences, 2020, 157, 06012.	0.5	9
9	Suitability assessment of the traditional unified railway bridge girders for high-speed traffic. MATEC Web of Conferences, 2020, 313, 00001.	0.2	0
10	Finite element simulation of a motorway bridge collapse using the concrete damage plasticity model. E3S Web of Conferences, 2020, 157, 06018.	0.5	20
11	Justification of the bridge span vertical stiffness on high-speed railways. E3S Web of Conferences, 2019, 135, 03065.	0.5	8
12	Designing Scenarios of Damage Accumulation. Advances in Intelligent Systems and Computing, 2019, , 600-610.	0.6	19
13	Study in the Structural Behavior of Precast Lining of a Large Diameter Multifunctional Tunnel Performed by Means of Finite Elements Analysis with Respect to Saint-Petersburg Geological Conditions. Civil and Environmental Engineering, 2019, 15, 85-91.	1.2	12
14	Efficiency of Using Tuned Mass Damper to Reduce Damage after Strong Earthquakes. MATEC Web of Conferences, 2018, 239, 05014.	0.2	2
15	"Track-Bridge" Interaction Problems in High Speed Bridge Design. International Journal of Engineering and Technology(UAE), 2018, 7, 194.	0.3	9
16	Research of interaction of the "œtrain œ" bridgeœsystem with bridge deck resonant vibrations. MATEC Web of Conferences, 2018, 239, 05002.	0.2	7
17	Design of Dynamic Parameters for Simple Beam Bridges on High-Speed Railways. IOP Conference Series: Materials Science and Engineering, 2018, 463, 022048.	0.6	11
18	Rating of Dynamic Coefficient for Simple Beam Bridge Design on High-Speed Railways. Civil and Environmental Engineering, 2018, 14, 37-43.	1.2	15

#	ARTICLE	IF	CITATIONS
19	Influence of Storage Conditions and Corrosive Environments on the Mechanical Properties of GFRP Rebars. <i>Civil and Environmental Engineering</i> , 2018, 14, 86-90.	1.2	5
20	Geotechnical Analysis of Structural Behaviour Under Complex Geological Engineering Conditions. <i>Procedia Engineering</i> , 2017, 189, 65-69.	1.2	4
21	Regulation of the Dynamic Live Load Factor for Calculation of Bridge Structures on High-Speed Railway Mainlines. <i>Civil and Environmental Engineering</i> , 2017, 13, 12-19.	1.2	5
22	Parameter identification for coupled elasto-plasto-damage model for overheated concrete. <i>MATEC Web of Conferences</i> , 2017, 107, 00042.	0.2	6
23	An assessment of the dynamic interaction of the rolling stock and the long-span bridges on high-speed railways. <i>MATEC Web of Conferences</i> , 2017, 107, 00014.	0.2	9
24	EXPERIMENTAL AND THEORETICAL VALIDATION OF DOUBLE COLUMN INTERNAL FIXATION THEORY FOR DISTAL FEMORAL FRACTURES. <i>Travmatologiya i Ortopediya Rossii</i> , 2017, 23, 86-94.	0.5	1
25	Modeling of nonlinear multiaxial deformation of concrete on the base of hyperelastic orthotropic model. <i>MATEC Web of Conferences</i> , 2016, 53, 01043.	0.2	3
26	The Experimental Study of Concrete Beams Reinforced with Different Types of Bars Carrying Capacity. <i>MATEC Web of Conferences</i> , 2016, 53, 01047.	0.2	6
27	Simulation of Pulling the Reinforcing Bar from Concrete Block with Account of Friction and Concrete Damage. <i>MATEC Web of Conferences</i> , 2016, 73, 04010.	0.2	5
28	Evaluation of Deformations of Foundation Pit Structures and Surrounding Buildings during the Construction of the Second Scene of the State Academic Mariinsky Theatre in Saint-petersburg Considering Stage-by-stage Nature of Construction Process. <i>Procedia Engineering</i> , 2016, 165, 1483-1489.	1.2	21
29	Issues of standardizing requirements for resistance and strength of railroad automation and signaling systems used in high-speed railways versus external mechanical impact. <i>Russian Electrical Engineering</i> , 2016, 87, 292-296.	0.6	2
30	Application of Continuum Damage Mechanics Approach for the Strength Analysis of Reinforced Concrete Constructions. <i>Applied Mechanics and Materials</i> , 2015, 725-726, 605-610.	0.2	0
31	Experimental Research of New Tram Track Construction Operating Fatigue Capacity. <i>Advanced Materials Research</i> , 2014, 1025-1026, 849-853.	0.3	2
32	The Simulation of Bond Fracture between Reinforcing Bars and concrete. Part 2. Models without taking the Bond Discontinuity into account. <i>Magazine of Civil Engineering</i> , 2014, 45, 23-40.	1.9	7
33	Fracture Analysis of Reinforced Concrete Bridge Structures with Account of Concrete Cracking under Steel Corrosion. <i>Advanced Materials Research</i> , 2013, 831, 364-369.	0.3	14
34	Simulation of degradation of bond between reinforcing bar and concrete. Part 1. Models with account of the discontinuity. <i>Magazine of Civil Engineering</i> , 2013, 40, 86-99.	1.9	16
35	Fracture simulation of reinforced concrete structures with account of bond degradation and concrete cracking under steel corrosion. , 2012, , 233-237.		8
36	Predicting the loss of stability of loaded structural elements using the method of acoustic emission. <i>Technical Physics Letters</i> , 2007, 33, 62-64.	0.7	9

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37	Analysis of the acoustic emission technique used in laboratory tests of reinforced-concrete structures. Russian Journal of Nondestructive Testing, 2006, 42, 790-793.	0.9	1
38	Accounting for effects of decreasing bond between concrete and rebars on seismic resistance of reinforced concrete structural elements. Journal of Civil Engineering and Management, 2005, 11, 163-168.	3.5	1
39	Experimental Study and Mathematical Modeling of Bond of Different Types Winding Glass-Plastic Reinforcement with Concrete. Applied Mechanics and Materials, 0, 617, 215-220.	0.2	6
40	Simulation and Experimental Investigation of Deformation and Fracture of the Masonry. Applied Mechanics and Materials, 0, 725-726, 661-666.	0.2	1
41	Modeling of Deformation and Fracture of Concrete Structures with FRP Reinforcement. Applied Mechanics and Materials, 0, 752-753, 685-688.	0.2	0
42	Influence of Long-Term Exposure in the Concrete of FRP Rebars on Bond Characteristics. Solid State Phenomena, 0, 263, 3-6.	0.3	1