



Seyed roohallah Mousavi Professor

Faculty : Engineering

Departments : Civil Engineering

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Education

- ✓ B.Sc, Civil Engineering, Sistan and Baluchestan University - 2002
- ✓ MS, Civil Engineering - Structure, Ferdowsi University of Mashhad - 2004
- ✓ PhD, Civil Engineering - Structure, Ferdowsi University of Mashhad - 2011

Courses

1. Reinforced Concrete Structures Project
2. Steel Structures Project
3. Dynamics Structures
4. Fracture mechanic
5. Earthquake and Wind Eng.
6. tall buildings
7. masonry structures
8. Design of Steel Structures II
9. Design of Steel Structures I
10. Seismic rehabilitation of existing buildings
11. Loading
12. Earthquake engineering
13. Stability of structures
14. Dynamics
15. Bridge Engineering
16. Civil Engineering Soft wares
17. Nonlinear finite element
18. specific studies
19. specific studies in composite materials
20. Advanced Steel Structures
21. Construction Materials and Lab
22. Measurement and Cost Estimation of Project
23. Structural Analysis I
24. Finite Element Method

Master Thesis

1. Laboratory evaluation of concrete containing Taftan Pumice and Metakaolin to increase the resistance against the corrosion of the rebar of the electric pole bases

سیدرضا ذبیحی, [Mohammad Reza Sohrabi, Abdolhamid Bahr Peyma, Seyed roohallah Mousavi, Mohammad Reza Ghasemi, Mohammad Hassan Mirabimoghaddam, Samira Payan]

نیمسال اول سال تحصیلی 1402-1403

2. Fracture Mechanics, Loading Modes, Asphalt Concrete, Reclaimed Asphalt Pavement (RAP), Nano Calcium Carbonate (NCC), Rejuvenator

فرمان کریمی, [Seyed roohallah Mousavi, Mahmoud Miri, Mohammad Reza Ghasemi, Mohammad Reza Sohrabi, Mohamad Javad Azinfar,]

نیمسال اول سال تحصیلی 1402-1403

3. Laboratory evaluation of concrete containing taftan pumice and microsilica to increase the corrosion resistance of electric poles

جواد رافت, [Mohammad Reza Sohrabi, Seyed roohallah Mousavi, Arash Naderi, Mohammad Reza Ghasemi, Mohammad Hassan Mirabimoghaddam, Ebrahim Elahi Zeyni]

نیمسال اول سال تحصیلی 1402-1403

4. Damage Detection of Truss Structures Based on Optimization

امین ملاشاهی, [Seyed roohallah Mousavi, Arash Naderi, Hamed Ghohani Arab, Mohammad Reza Ghasemi, Vajihe Yousefi]

نیمسال دوم سال تحصیلی 01-00

5. Investigation the parameters of fracture mechanics and the size effect of self-compacting concrete including wavy steel fiber

سیدامید حسینی, [Mohammad Reza Sohrabi, Seyed roohallah Mousavi, S D]

نیمسال دوم سال تحصیلی 01-00

6. Executive development of Beam-to-Column Rigid Connections slit dampers

محمد شیرزانی, [Seyed roohallah Mousavi]

نیمسال دوم سال تحصیلی 01-00

7. Investigation of fracture parameters in fiber self-compacting concrete containing ceramic waste powder

محمد امین خسروی جوان, [Seyed roohallah Mousavi, Mohammad Reza Sohrabi]

نیمسال اول سال تحصیلی 00-99

8. Investigation of ceramic coarse waste powder on the mechanical properties and durability of steel fiber self-compacting concrete

امیرابوالفضل صدوقی, [Mohammad Reza Sohrabi, Seyed roohallah Mousavi]

نیمسال اول سال تحصیلی 00-99

9. Investigation of Fracture Parameters of Roller Compacted Concrete Containing Copper Slag

فائزه هوشیار, [Abdolhamid Bahr Peyma, Seyed roohallah Mousavi]

نیمسال اول سال تحصیلی 00-99

10. Investigation of Cracking mode I and III for Fiber self-Compacting Concrete using ENDB Specimens

محمد دهقانی, [Seyed roohallah Mousavi, S D]

نیمسال اول سال تحصیلی 00-99

11. Investigation of Fracture Parameters of Fiber-Self Compacting Concrete using SCB Specimens

ريگي [Seyed roohallah Mousavi, S D, Mohammad Reza Sohrabi, Mohammad Hassan Mirabimoghaddam, Mozghan Zakeri]

نيمسال اول سال تحصيلي 99-00

12. Estimating the ultimate strength of concrete-filled steel tube columns using artificial intelligence-based methods

مجتبي زائرميري [Seyed roohallah Mousavi, Xcx Xcxc]

نيمسال اول سال تحصيلي 98-99

13. Investigation of fracture mechanical parameters on recycled fiber concrete

امير سعادت پور [Seyed roohallah Mousavi]

نيمسال اول سال تحصيلي 98-99

14. The Effect of using copper slag Instead of fine aggregate on Roller Compacted Concrete (RCC)

احسان شيخ [Seyed roohallah Mousavi, Iman Afshoon]

نيمسال اول سال تحصيلي 97-98

15. The feasibility of replacing coarse aggregates in roller concrete with copper slag

مريم سرگزي [Seyed roohallah Mousavi, Abdolhamid Bahr Peyma, Iman Afshoon]

نيمسال اول سال تحصيلي 97-98

16. The effect of using copper slag instead of coarse aggregates and fine aggregates on Roller Compacted Concrete(RCC) simultaineously

مرتضي چكشي [Seyed roohallah Mousavi, Abdolhamid Bahr Peyma, Iman Afshoon]

نيمسال اول سال تحصيلي 97-98

17. The effect of corrosion on the bond strength of RC members for high and normal strength concrete

امير شهريان [Seyed roohallah Mousavi, Mohammad Reza Sohrabi, Xcx Xcxc]

نيمسال دوم سال تحصيلي 96-97

18. The effect of corroded bars on the Tension Stiffening of RC Members

ابوذر محمدپور [Seyed roohallah Mousavi, Mohammad Reza Sohrabi, Xcx Xcxc]

نيمسال دوم سال تحصيلي 96-97

19. Development of slit dampers for seismic retrofit of braced steel structures

مرتضي ميرزاپي كيا [Seyed roohallah Mousavi, Mohammad Reza Sohrabi]

نيمسال دوم سال تحصيلي 96-97

20. The Effect of corroded bars on bond strength of lap spliced RC beam

ياسر مودي [Mohammad Reza Sohrabi, Seyed roohallah Mousavi]

نيمسال اول سال تحصيلي 95-96

21. Investigation of Add –mixture fiber on the fracture behavior and size effect of self compacting concrete

محمد قاسمي [Mohammad Reza Ghasemi, Seyed roohallah Mousavi]

نيمسال اول سال تحصيلي 95-96

22. Seismic Assessment of Steel frames with Buckling Restrained Braces Subjected to Earthquake Main shock and Aftershock Sequences

مهدي سالاري [Seyed roohallah Mousavi, , Abdolhamid Bahr Peyma]

نيمسال اول سال تحصيلي 95-96

23. Comparison and evaluation on the performance of different metallic dampers in seismic response mitigation

وصال ازادبخت, [Seyed roohallah Mousavi, Abdolhamid Bahr Peyma, J J]
نیمسال اول سال تحصیلی 95-96

24. Experimental Investigation Of Grooving Techniques For Flexural Strengthening of RC beam

یوسف کردتمندانی, [Mohammad Reza Sohrabi, Seyed roohallah Mousavi]
نیمسال اول سال تحصیلی 95-96

25. strengthening of hollow concrete columns with different sections using (FRP)

خشایار شهرکی, [Seyed roohallah Mousavi, Xcx Xcxc]
نیمسال اول سال تحصیلی 95-96

26. Experimental Investigation of Hybrid Techniques for Flexural strengthening of RC beams with using FRP

مرتضی سرگلزهی, [Mohammad Reza Sohrabi, Seyed roohallah Mousavi]
نیمسال اول سال تحصیلی 95-94

27. Pumice pozzolan and Mtakayvlyn impact on concrete durability and corrosion of rebar in concrete recycling

مریم کاظمی بجد, [Seyed roohallah Mousavi, Abas ali Ghaderi]
نیمسال اول سال تحصیلی 95-94

28. Evaluation of Shape and Size effect on Short Column With Various Transverse Reinforcement in self-consolidation concrete

امیر سعادت پور, [Seyed roohallah Mousavi,]
نیمسال اول سال تحصیلی 95-94

29. Evaluation of specimen shape and size effect on the compressive strength of steel fiber reinforced-recycled aggregate concrete

یاسین مختاری, [Seyed roohallah Mousavi,]
نیمسال اول سال تحصیلی 95-94

30. Effect of tension stiffening on the effective moment of inertia of flexural FRP-reinforced concrete members

ارزو کمالی, [Seyed roohallah Mousavi, Mohammad Reza Ghasemi]
نیمسال اول سال تحصیلی 93-94

31. Probabilistic analysis of steel plates on elastic foundation

علیرضا قویدل, [Seyed roohallah Mousavi, Mohsen Rashki]
نیمسال اول سال تحصیلی 93-94

32. Seismic evaluation of all-steel buckling restrained braces and ordinary concentric braces

بهروز رضانی, [Mohammad Reza Sohrabi, Seyed roohallah Mousavi]
نیمسال دوم سال تحصیلی 92-93

33. Strengthening of Substandard Lap Spliced RC Beams Externally Confined with FRP Sheet

ایمان دوامی, [Seyed roohallah Mousavi,]
نیمسال دوم سال تحصیلی 92-93

34. Strengthening of RC Columns with Near surface Mounted FRP Bars

بنیامین قربان زاده, [Seyed roohallah Mousavi,]
نیمسال دوم سال تحصیلی 92-93

35. Seismic evaluation of special concentrically braces with concerning construction problems
سمانه مومني فر [Mohammad Reza Sohrabi, Seyed roohallah Mousavi]
نيمسال اول سال تحصيلي 92-93
36. Modeling and Evaluation Behavior of steel tall Buildings with mega Bracing using pushover Analysis
صادق آقاخاني [Seyed roohallah Mousavi]
نيمسال اول سال تحصيلي 92-93
37. Strengthening of RC columns with Fiber Reinforced Polymer Sheets (FRP)
ياسر مودي [Seyed roohallah Mousavi,]
نيمسال اول سال تحصيلي 92-93
38. Vulnerability of infilled steel frames with and without opening
بهنام سرشاد [Seyed roohallah Mousavi, Mohammad Reza Sohrabi,]
نيمسال اول سال تحصيلي 92-93
39. Investigation of the geometry for the interior core of Buckling Restrained Braces
ايرج قره داغي [Seyed roohallah Mousavi, Mohammad Reza Ghasemi]
نيمسال اول سال تحصيلي 92-93
40. Comprehensive equations for concrete compressive strength and durability estimation based on effective parameters
اعظم گلزاري مقدم [Seyed roohallah Mousavi, Mohammad Reza Ghasemi]
نيمسال اول سال تحصيلي 92-93
41. Strengthening of substandard lap splice RC beams with Near Surface-Mounted
ابراهيم غلامحسيني [Seyed roohallah Mousavi, , Mohammad Reza Sohrabi]
نيمسال اول سال تحصيلي 92-93
42. Seismic evaluation of wooden buildings
فريرز صدراشكوري [Seyed roohallah Mousavi, Naser Shabakhty]
نيمسال اول سال تحصيلي 92-93
43. Seismic behavior of steel buildings equipped with tuned mass damper
حميد شيرين حصار [Seyed roohallah Mousavi, Naser Shabakhty]
نيمسال اول سال تحصيلي 92-93
44. Effect of Fiber Reinforced Concrete on the Local Bond Strength
جمشيد شهركي [Seyed roohallah Mousavi, Mohammad Reza Sohrabi]
نيمسال اول سال تحصيلي 92-93
45. The Effect of Corrosion on the Bond Strength of Normal and Fiber Reinforced Concrete in Different Environment
سپيده صباحي [Seyed roohallah Mousavi, Mohammad Reza Sohrabi]
نيمسال اول سال تحصيلي 92-93
46. Influence of using Taftan's pumice pozzolan and Microsilica on Mechanical properties of concrete made with recycled aggregate
سعيد ابراهيمي مود [Seyed roohallah Mousavi, Sarani Naser]
نيمسال اول سال تحصيلي 92-93
47. Investigation on seismic behavior of steel frames with Rotational Friction Damping system
امير شيرخاني [Naser Shabakhty, Seyed roohallah Mousavi]

نیمسال دوم سال تحصیلی 91-92

48. Investigation of seismic behavior of steel structures with triangular-plate added damping and stiffness (TADAS)

فرزاد سعیدی, [Naser Shabakhty, Seyed roohallah Mousavi]

نیمسال دوم سال تحصیلی 91-92

49. Evaluate the behavior of steel frames with knee bracing

سیدحمید هاشمی, [Seyed roohallah Mousavi, Naser Shabakhty]

نیمسال دوم سال تحصیلی 91-92

Journals Papers

2025

1. The effect of Pumice, Metakaolin and Copper Mine Waste on Roller Compacted Concrete Made Us-ing Local Cements of Sistan and Baluchestan Region

Seyed rohallah Mousavi, yaser moodi, Aboozar Mohammad Poor, Amir Shahriyan

Volume: (17) 73 - 86

2. Comparing Different Procedures for Calculating Flexural Cracking Toughness Using Edge?Notched Disc Bend Specimen Under Modes I and III

Seyed omid Hoseini, Mohammad Reza Sohrabi, Seyed rohallah Mousavi, Mohammad Ghasemi, M.amp;nbsp;R.a

FATIGUE and FRACTURE OF ENGINEERING MATERIALS and STRUCTURES Volume: (48) 1083 - 1097

3. Improving the weighted average simulation method for reliability analyses based on the new adaptive interpolation method

Atieh Khajeh, Seyed rohallah Mousavi, Mohammad Reza Sohrabi, Mohsen Rashki

Proceedings of the Institution of Mechanical Engineers Part O-Journal of Risk and Reliability Volume: (239) 645 - 656

4. Seismic performance assessment of steel structures equipped with uncertain torsional-yielding dampers

Arezoo Kamali, Seyed rohallah Mousavi, Mahmoud Miri

Life Cycle Reliability and Safety Engineering Volume: (14) 151 - 165

5. The Role of Changes in Internal and External Cross-Section Geometry on The Compressive Strength of Hollow Concrete Confined with CFRP Sheets

Seyed rohallah Mousavi, yaser moodi, Khashayar Shahreki

Volume: (55) 57 - 65

2024

6. Investigating the fracture toughness of the self compacting concrete using ENDB samples by changing the aggregate size and percent of steel fiber

Seyed rohallah Mousavi, Mohammad Ghasemi, Mohammad Deghani

Engineering Solid Mechanics Volume: (12) 17 - 26

7. Cracking resistance of crumb rubber modified green asphalt mixtures, using calcium carbonate nanoparticles and two by-product wax-based warm mix additives

Payam Bazoobandi, Seyed rohallah Mousavi, Farman Karimi, Hamid Reza Karimi, Mehdi Ghasri, M.R.M. Al

CONSTRUCTION AND BUILDING MATERIALS Volume: (424) 135848 -

8. On the effect of nano calcium carbonate on the flexibility and tensile-shear cracking resistance of greener WMA asphalt concretes containing RAP contents

Farman Karimi, Seyed roohallah Mousavi, Mahmoud Miri

Case Studies in Construction Materials Volume: (20) e03159 -

9. Protecting the Environment and Natural Resources Using Green Roller Compacted Concrete (RCC) Containing Fine and Coarse Recycled Copper Slag Aggregates

Seyed roohallah Mousavi, Abdolhamid Bahr Peyma, Iman Afshoon, Morteza Chakoshi

PROCESS SAFETY AND ENVIRONMENTAL PROTECTION Volume: (186) 664 - 678

10. Tensile-Tear cracking resistance of RAP incorporated asphalt Mixtures, enhanced by Warm mix asphalt additive and nano calcium carbonate

Farman Karimi, Seyed roohallah Mousavi, Mahmoud Miri

THEORETICAL AND APPLIED FRACTURE MECHANICS Volume: (132) 104467 -

11. Investigation of mode I fracture behavior of copper slag-SFRSCC

Iman Afshoon, Mahmoud Miri, Seyed roohallah Mousavi

ENGINEERING STRUCTURES Volume: (315) 118513 -

2023

12. Predicting the Ultimate and Relative Bond Strength of Corroded Bars and Surrounding Concrete by Considering the Effect of Transverse Rebar Using Machine Learning

Seyed mohammad Mousavi, Abdolhamid Bahr Peyma, Seyed roohallah Mousavi,

Iranian Journal of Science and Technology-Transactions of Civil Engineering Volume: (47) 193 - 219

13. Comprehensive experimental and numerical modeling of strength parameters of eco-friendly steel fiber reinforced SCC containing coarse copper slag aggregates

Iman Afshoon, Mahmoud Miri, Seyed roohallah Mousavi

CONSTRUCTION AND BUILDING MATERIALS Volume: (367) 130304-1 - 130304-28

14. Using beam and ENDB specimens to evaluate fracture characteristics of wavy steel fiber reinforced self compacting concrete containing different coarse aggregate volumes

Seyed omid Hoseini, Seyed roohallah Mousavi, Mohammad Reza Sohrabi, Mohammad Ghasemi

FATIGUE and FRACTURE OF ENGINEERING MATERIALS and STRUCTURES Volume: (46) 1669 - 1686

15. Evaluating the flexural behavior of green copper slag-contained steel fiber reinforced SCC beams with/without initial notches

Iman Afshoon, Mahmoud Miri, Seyed roohallah Mousavi

CONSTRUCTION AND BUILDING MATERIALS Volume: (395) 132316-1 - 132316-16

16. Studying the rheological features, mechanical properties and flexural toughness of the WSFRSCC by varying the coarse aggregate volume

Seyed omid Hoseini, Mohammad Reza Sohrabi, Seyed roohallah Mousavi, Mohammad Ghasemi

Structures Volume: (57) 105115-1 - 105115-11

17. Predicting the Bond Resistance of Glass Fiber Bars in Hinged Beams Employing Enhanced Soft Computing Techniques

Saeed Farahi Shahri, Seyed roohallah Mousavi

KSCE Journal of Civil Engineering Volume: (27) 3901 - 3911

18. Prediction model and measurement of fracture parameters in eco-friendly coarse copper slag-SFRSCC based on semi-circular bending test

Iman Afshoon, Mahmoud Miri, Seyed roohallah Mousavi

CONSTRUCTION AND BUILDING MATERIALS Volume: (406) 133418-1 - 133418-24

19. Full range of mode I and II cracking performance of asphalt mixtures containing low to high reclaimed asphalt pavement (RAP) contents; modified by recycling agent and substituting of a softer binder

Payam Bazoobandi, Hamid Reza Karimi, Seyed roohallah Mousavi, Farman Karimi, M.R.M. Aliha

Case Studies in Construction Materials Volume: (19) e02487-1 - e02487-15

20. Predicting the Bond Strength Between Concrete and Glass Fiber-Reinforced Polymer Bars Using Soft Computing Models

Saeed Farahi Shahri, Seyed roohallah Mousavi

Iranian Journal of Science and Technology-Transactions of Civil Engineering Volume: (47) 3507 - 3522

21. Using the Response Surface Method and Artificial Neural Network to Estimate the Compressive Strength of Environmentally Friendly Concretes Containing Fine Copper Slag Aggregates

Iman Afshoon, Mahmoud Miri, Seyed roohallah Mousavi

Iranian Journal of Science and Technology-Transactions of Civil Engineering Volume: (47) 3415 - 3429

22. Presentation of machine learning methods and multi-objective optimization of fracture indices for asphalt rubber mixtures containing wax-based warm mix additives modified by nano calcium carbonate

Seyed Mohsen Hosseinian, Payam Bazoobandi, Seyed roohallah Mousavi, Farman Karimi

CONSTRUCTION AND BUILDING MATERIALS Volume: (409) 134136-1 - 134136-18

2022

23. Strengthening of Lap-Spliced RC Beams Using Near-Surface Mounting Method

Seyed roohallah Mousavi, Mohammad Reza Sohrabi, , EBRAHIM GHOLAMHOSSEINI

Iranian Journal of Science and Technology-Transactions of Civil Engineering Volume: (46) 251 - 259

24. Estimating the compressive strength of rectangular fiber reinforced polymer-confined columns using multilayer perceptron, radial basis function, and support vector regression methods

, Mohammad Ghasemi, Seyed roohallah Mousavi

JOURNAL OF REINFORCED PLASTICS AND COMPOSITES Volume: (41) 130 - 146

25. Effects of coarse aggregate and wavy steel fiber volumes on the critical stress intensity factors of modes I and III cracks in self-compacting concrete using ENDB specimens

Seyed omid Hoseini, Mohammad Reza Sohrabi, Seyed roohallah Mousavi, Mohammad Ghasemi

THEORETICAL AND APPLIED FRACTURE MECHANICS Volume: (121) 103421-1 - 103421-15

26. Producing green Roller Compacted Concrete (RCC) using fine copper slag aggregates

Ehsan Sheikh, Seyed roohallah Mousavi, Iman Afshoon

JOURNAL OF CLEANER PRODUCTION Volume: (368) 133005-1 - 133005-16

27. Prediction of compressive strength of fiber-reinforced polymers-confined cylindrical concrete using artificial intelligence methods

Faride Jamali, Seyed roohallah Mousavi, Abdolhamid Bahr Peyma,

JOURNAL OF REINFORCED PLASTICS AND COMPOSITES Volume: (41) 679 - 704

28. Experimentally and Analytically Investigating Effect of Confinement on Behavior of RC Beams Reinforced by GFRP Rebars

Mahmoud-Reza Hosseini-Tabatabaei, Seyyed Mostafa Tabatabaei, Seyed roohallah Mousavi, HosseinAli

Volume: (9) 94 - 106

29. Applying neural networks for estimating the compressive strength of confined circular concrete columns with FRP sheets

, Ehsan Eslami, Seyed roohallah Mousavi, Babak Dizangian, Hamid Mirshekar

Volume: (9) 58 - 77

2021

30. Effect of waste glass and curing aging on fracture toughness of self-compacting mortars using ENDB specimen

Seyed roohallah Mousavi, Iman Afshoon, Mohammadali Bayatpoor, Amirhossein Davarpanah tanha qochan, M

CONSTRUCTION AND BUILDING MATERIALS Volume: (282) 122711-1 - 122711-15

31. Combining Kriging meta models with U-function and K-Means clustering for prediction of fracture energy of concrete

Iman Afshoon, Mahmoud Miri, Seyed roohallah Mousavi

Journal of Building Engineering Volume: (35) 102050-1 - 102050-16

32. Corrosion effect of the main rebar and stirrups on the bond strength of RC beams

, Mohammad Reza Sohrabi, Seyed roohallah Mousavi

Structures Volume: (32) 1444 - 1454

33. Bond strength prediction of spliced GFRP bars in concrete beams using soft computing methods

Saeed Farahi Shahri, Seyed roohallah Mousavi

Computers and Concrete Volume: (27) 305 - 317

34. Optimization of tension stiffening model of concrete based on results of layered nonlinear analysis of FRP - reinforced concrete beams

, Seyed roohallah Mousavi, Mohammad Reza Ghasemi

Amirkabir Journal of Civil Engineering Volume: (52) 2779 - 2794

35. Studying Water to Cement Ratio and Steel Fiber Volume Fraction Effects on the Self-Compacting Steel Fiber-reinforced Concrete Fracture Parameters

, Mohammad Reza Ghasemi, Seyed roohallah Mousavi

Volume: (8) 70 - 86

36. Investigating the Size Effect on the Compressive Strength of Self- Consolidating Concrete Containing Taftan Pumice and Micro-Silica

Seyed roohallah Mousavi, Amir Saadatipour, , saber Shahnazari aval

Volume: (8) 333 - 346

37. Effect of Pumice pozzolan and Metakaolin on the durability of recycled concrete and its bars corrosion

, Seyed roohallah Mousavi, Abas ali Ghaderi

Volume: (8) 236 - 247

2020

38. Effects of stirrups in spliced region on the bond strength of corroded splices in reinforced concrete (RC) beams

, Mohammad Reza Sohrabi, Seyed roohallah Mousavi

CONSTRUCTION AND BUILDING MATERIALS Volume: (230) 116873-1 - 116873-9

2019

39. Investigation on using stiffness in Slotted web connection under cyclic load

Hamid Mirshekar, Seyed roohallah Mousavi

Volume: (6) 95 - 106

40. Studying the fracture parameters and size effect of steel fiber-reinforced self-compacting concrete

, Mohammad Reza Ghasemi, Seyed roohallah Mousavi

CONSTRUCTION AND BUILDING MATERIALS Volume: (201) 447 - 460

41. New models for estimating compressive strength of concrete confined with FRP sheets in circular sections

, Seyed roohallah Mousavi, Mohammad Reza Sohrabi

JOURNAL OF REINFORCED PLASTICS AND COMPOSITES Volume: (38) 1014 - 1028

42. A Proposed Model for Estimating the Relative Bond Strength of RC Beam with Corroded Lap Spliced Steel Bars, considering c/db

, Mohammad Reza Sohrabi, Seyed roohallah Mousavi

Volume: (32) 99 - 110

43. A fast hybrid refining optimization with sensitivity-based partitioning approach for truss structures

Saeed Farahi Shahri, Mohammad Reza Ghasemi, Seyed roohallah Mousavi

Journal of Modeling Engineering Volume: (17) 127 - 146

2018

44. Low-cost finite element method-based reliability analysis using adjusted control variate technique

Mohsen Rashki, , Hamed Ghohani Arab, Seyed roohallah Mousavi

STRUCTURAL SAFETY Volume: (75) 133 - 142

45. Investigating the effects of maximum aggregate size on self-compacting steel fiber reinforced concrete fracture parameters

, Mohammad Reza Ghasemi, Seyed roohallah Mousavi

CONSTRUCTION AND BUILDING MATERIALS Volume: (162) 674 - 682

46. Using Response Surface Methodology and providing a modified model using whale algorithm for estimating the compressive strength of columns confined with FRP sheets

, Seyed roohallah Mousavi, , Mohammad Reza Sohrabi, Mohsen Rashki

CONSTRUCTION AND BUILDING MATERIALS Volume: (183) 163 - 170

47. Seismic behavior of beam-to-column connections with elliptic slit dampers

Saeed Farahi Shahri, Seyed roohallah Mousavi

STEEL AND COMPOSITE STRUCTURES Volume: (26) 289 - 301

48. Establishment and experimental validation of an updated predictive equation for the development and lap-spliced length of GFRP bars in concrete

Mehrollah Rakhshanimehr, Seyed roohallah Mousavi, M. Reza Esfahani, Saeed Farahi Shahri

MATERIALS AND STRUCTURES Volume: (51) 1 - 17

49. Investigating the effects of maximum aggregate size on self-compacting steel fiber reinforced concrete fracture parameters

, Mohammad Reza Ghasemi, Seyed roohallah Mousavi

CONSTRUCTION AND BUILDING MATERIALS Volume: (162) 674 - 682

50. Influence of stirrups spacing on the flexural strength of lap-spliced beams in corrosion condition

Aylin Zamani, Seyed roohallah Mousavi, Hossein Beheshti Nejad

Volume: (18) 79 - 90

51. Investigating the size effect of recycled concrete containing steel fibers

Seyed roohallah Mousavi, , Seyed Hojjatollah Mousavi

Volume: (20) 5 - 15

2017

52. The Effect of Strips Width of Elliptic Slit Damper on the Seismic Performance of Beam-to-Column Connection

, Seyed roohallah Mousavi

Volume: (47) 95 - 104

53. Strengthening of Concrete Columns by Near Surface Mounted Method with Different Material Bars in Combination with CFRP Wrapping

, Seyed roohallah Mousavi,

Volume: (17) 203 - 212

54. The Effect of FEM Mesh Density on the Failure Probability Analysis of Structures

, Seyed roohallah Mousavi, Mohsen Rashki

KSCE Journal of Civil Engineering Volume: (22) 2371 - 2383

55. Providing a model for estimating the compressive strength of square and rectangular columns confined with a variety of fibre-reinforced polymer sheets

, , Seyed roohallah Mousavi

JOURNAL OF REINFORCED PLASTICS AND COMPOSITES Volume: (36) 1602 - 1612

2016

56. Application of Elliptic Slits for Development of Slit Damper in Beam-to-Column Connection

, Seyed roohallah Mousavi

Volume: (16) 93 - 104

57. Modified stress-strain models of Concrete Confined with FRP under concentric and eccentric loading

, Seyed roohallah Mousavi, Mohammad Reza Ghasemi

Volume: () 1 - 13

58. Seismic assessment of steel frames with triangular-plate added damping and stiffness devices

Farzad Saeedi, Naser Shabakhty, Seyed roohallah Mousavi

JOURNAL OF CONSTRUCTIONAL STEEL RESEARCH Volume: (125) 15 - 25

2015

59. Behavior of steel frames with rotational friction dampers by endurance time method

Amir Shirkhani, Imad H. Mualla, Naser Shabakhty, Seyed roohallah Mousavi

JOURNAL OF CONSTRUCTIONAL STEEL RESEARCH Volume: (107) 211 - 222

60. Finite Element Model Updating of Damaged Concrete Beams Reinforced with GFRP bars Using Modal Test Data

Seyed roohallah Mousavi, , , ,

Volume: (45) 65 - 77

61. Adaptive Neural Fuzzy Inference System Models for Predicting the Shear Strength of Reinforced Concrete Deep Beams

, Seyed roohallah Mousavi,

journal of rehabilitation in civil engineering Volume: (3) 14 - 23

2014

62. Splice length in Concrete Beams Reinforced with FRP Bars

Mehrollah Rakhshani Mehr, mohammadreza esfehani, Seyed roohallah Mousavi

Volume: (44) 41 - 53

63. Connections of Precast Reinforced Concrete flexural members using Ultra High Performance Concrete (UHPC)

, , Seyed roohallah Mousavi

sharif journal Volume: (2-30) 63 - 72

64. An experimental study on bond strength between concrete and GFRP bars for lap-spliced concrete beams

, , Seyed roohallah Mousavi

sharif journal Volume: (1.1) 13 - 23

65. A Modification to ACI 440.1R-06 Equation for Determining the Bond Strength of GFRP Bars Using Reliability Analysis

mehrallah Rakhshani Mehr, moahammad reza esfahani, Seyed roohallah Mousavi

Amirkabir Journal of Science Research (Civil Environmental Engineering) Volume: (45) 73 - 82

66. Employment Waste Rubber Powder as Cement Replacement in Self-Compacting

, Saman Rahat dahmarde, Mohammad Hassan Mirabimoghaddam, Seyed roohallah Mousavi

ADVANCES IN ENVIRONMENTAL BIOLOGY Volume: (13) 656 - 666

67. Application of Endurance Time Method in Seismic Assessment of Steel Frames with Friction Damper Devices

, , Naser Shabakhty, Seyed roohallah Mousavi

Journal of Seismology and Earthquake Engineering Volume: (16) 139 - 146

68. Flexural ductility of reinforced concrete beams with lap-spliced bars

Rakhshanimehr, M. Reza Esfahani, M. Reza Kianoush, B. Ali Mohammadzadeh, Seyed roohallah Mousavi

CANADIAN JOURNAL OF CIVIL ENGINEERING Volume: (41) 594 - 604

2013

69. Bond Strength of Lap-Spliced GFRP Bars in Concrete Beams

M. Reza Esfahani, Mehrollah Rakhshanimehr, Seyed roohallah Mousavi

JOURNAL OF COMPOSITES FOR CONSTRUCTION Volume: (17) 314 - 323

2012

70. Bond strength between concrete and FRP bars for lap-spliced concrete beams

Mehrollah Rakhshanimehr, M. Reza Esfahani, Seyed roohallah Mousavi

The modares journal of civil engineering Volume: (12) 33 - 45

71. Effective Moment of Inertia prediction of FRP Reinforced Concrete Beams based on Experimental Results

Seyed roohallah Mousavi, M. Reza Esfahani

JOURNAL OF COMPOSITES FOR CONSTRUCTION Volume: (16) 490 - 498

72. Effective Moment of Inertia Prediction of FRP-Reinforced Concrete Beams Based on Experimental Results

Seyed roohallah Mousavi,

JOURNAL OF COMPOSITES FOR CONSTRUCTION Volume: () 490 - 498

Conferences Papers

2019

1. Investigating the size effect on the short square columns with different transverse reinforcement in self-consolidating concrete

11th national congress on civil engineering

Seyed roohallah Mousavi,

2018

2. Investigating of a tension stiffening model for concrete reinforced with FRP bars by layered nonlinear analysis

11th international congress on civil engineering

Arezoo Kamali, Seyed roohallah Mousavi, Mohammad Reza Ghasemi

3. Passive Control Building in Earthquake by Tuned Mass Damper

11th international congress on civil engineering

Seyed roohallah Mousavi, naser shabakhty,

4. Effect of steel fibers on the size effect in recycled concrete

11th international congress on civil engineering

, Seyed roohallah Mousavi, Seyed Hojjatollah Mousavi

5. BRB

international conference on civil engineering, architecture and urban management in iran

Iraj Gharehdaghi, Seyed roohallah Mousavi, hossein jarahi

2017

6. Effect of failure limit on finite element-based reliability analysis of plate on elastic foundation

10th National Congress on Civil Engineering

, Seyed roohallah Mousavi, Mohsen Rashki

2015

7. Evaluating Reduction Factor of Off-center Bracing Frames

.3th International Congress on Civil Engineering , Architecture and Urban Development

Farzad Saeedi, , Seyed roohallah Mousavi