
Miladin Radovic

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EDUCATION

Ph.D. in Materials Science and Engineering, Drexel University, Philadelphia, PA *June 2001*
MS in Mechanical Engineering, University of Belgrade, Belgrade, Serbia *Sep. 1997*
BS in Mechanical Engineering, University of Belgrade, Belgrade, Serbia *July 1992*

RESEARCH INTEREST

- Processing of advanced ceramics and ceramics composites including ternary carbides and nitrides (MAX phases), Solid state ionics, inorganic polymers (Geopolymers) and their composites.
- High temperature materials for energy applications.
- Characterization and modeling of mechanical properties of ceramic and ceramic composites.
- Resonant Ultrasound Spectroscopy.

PROFESSIONAL EXPERIENCE

Aug. 2017 – present *Director*, Material Characterization Facility, Texas A&M University, College Station, TX

Oct. 2014 – Aug. 2017 *Associate Department Head*, Department of Materials Science and Engineering, Texas A&M University, College Station, TX

Sep. 2013 - Dec. 2013. *Visiting Associate Professor*, University of Sydney, Sydney, Australia

Sep. 2013 – Aug. 2017 *Graduate Program Director*, Department of Materials Science and Engineering, Texas A&M University, College Station, TX

Sep. 2013 – Present *Associate Professor*, Department of Materials Science and Engineering, Texas A&M University, College Station, TX

Sep. 2013 – Present *Associate Professor - joint faculty*, Department of Mechanical Engineering, Texas A&M University, College Station, TX

Sep. 2012 – Present *Associate Professor*, Department of Mechanical Engineering & Materials Science and Engineering Program, Texas A&M University, College Station, TX

Aug. 2006 – Aug. 2012 *Assistant Professor*, Department of Mechanical Engineering & Materials Science and Engineering Program, Texas A&M University, College Station, TX

Nov. 2001- June 2006 *Postdoctoral Fellow*, Mechanical Characterization and Analysis Group, Metals and Ceramics, Oak Ridge National Laboratory, Oak Ridge, TN

July 2001- Nov. 2001 *Postdoctoral Associate*, Department of Materials Engineering, Drexel University, Philadelphia, PA

Sep. 1998 - July 2001 *Research Assistant*, Department of Materials Engineering, Drexel University, Philadelphia, PA

Dec. 1998 – Nov. 2001 *Guest Researcher*, Material Science and Engineering Laboratory, National Institute of Standards and Technology, Gaithersburg, MD

Aug. 1992 – Aug. 1998 *Research and Teaching Assistant*, Department of Materials Technology, College of Mechanical Engineering, University of Belgrade, Belgrade, Serbia

TEACHING

MSEN/MEEN 222 *Materials Science*, sophomore level, Texas A&M University
MEEN 404 *Engineering Laboratory*, senior level, Texas A&M University

- MEEN/MSEN 658** *Fundamentals of Ceramics*, graduate course, Texas A&M University, course developed by M. Radovic
- MEEN 458** *Fundamentals of Ceramics*, undergraduate senior elective, Texas A&M University, course developed by M. Radovic
- MSEN 601** *Fundamentals of Materials Science and Engineering*, graduate course, Texas A&M University
- MEEN/MSEN 689** *Fuel Cell Technologies*, senior/graduate elective, Texas A&M University, course developed by M. Radovic
- MSEN625/MEEN625** *Mechanical Behavior of Materials*, graduate elective, Texas A&M University
- MEEN 467** *Mechanical Behavior of Materials*, senior undergraduate elective, Texas A&M University
- MSEN 410** *Materials Processing*, senior undergraduate elective, Texas A&M University, course developed by M. Radovic
- MSEN 689** *Materials Processing*, graduate elective, Texas A&M University, course developed by M. Radovic

HONORS AND AWARDS

- 2017** NASA Glenn Research Center Faculty Fellow
- 2015** Dean of Engineering Excellence Award, Texas A&M University
- 2013** International Collaboration Award, University of Sydney, Australia
- 2013** Herbert H. Richardson Faculty Fellow, College of Engineering, Texas A&M University
- 2011** National Science Foundation, NSF, CAREER Award.
- 2011** Cover story in the Bulletin of the American Ceramic Society
- 2006** ASM International (The Materials Information Society), Author of the microphotographs presented on the ASM official screen server.
- 2004** Cover of the Journal of American Ceramic Society.
- 2002** ASM-ITS 2002 International Metallographic Contest – Honorable Mention.
- 2001** The American Ceramic Society Award - 1st Place in Student poster presentation category for poster presented at 2001 Cocoa Beach Conference.
- 2001** Scholarship for the Gordon Research Conference – Solid State Studies in Ceramics.
- 2001** A.W. Grosvenor Award for Academic Performance, Department of Materials Engineering, Drexel University.
- 2000** Sigma Xi Award for the Presentation of Research Results at Drexel and MCP Hahnemann Universities Research Day, Drexel University.
- 1998 - 2001** Research Assistantship, Drexel University, PA.
- 1993** Stipend for Talented Young Scientist awarded by the Ministry for Science and Technology of the Republic of Serbia.

PROFESSIONAL ACTIVITIES

- 2018** **Advisory board member**, 14th International Ceramics Congress, 2018 CIMTEC, Perugia, Italy
- 2017** **Symposium organizer** at 12th Pacific Rim Conference on Ceramic and Glass Technology
- 2016** **Session chair** at 2016 MS&T conference
- 2016-present** **Key reader** for Metallurgical and Materials Transactions A
- 2016-present** **Editorial board member** of Scientific Reports
- 2014-present** **Faculty co-advisor** of Materials Advantage Student Chapter at Texas A&M University.
- 2014-present** **Editorial board member** of Annals in Materials Science and Engineering
- 2014** **Symposium co-organizer and session chair**, 13th International Ceramics Congress, 2014 CIMTEC, Montecatini, Italy, 2014
- 2011** **Co-editor** of “Advances in Nanomaterials and Nanostructures”, Ceramic Transactions, Vol. 229, Eds. M. Radovic, N. Manjoooran and K. Lu, Wiley-The American Ceramic Society, 2011
- 2010** **Co-editor** of “Strategic Materials and Computational Design”, Ceramic Engineering and Science Proceedings, Volume 31, Issue 10, Eds. W.M. Kriven, Y. Zhou, and M. Radovic, Wiley-The

- American Ceramic Society, 2010.
- 2010** **Symposium organizer and session chair** at 2010 MS&T conference, 2010.
- 2010-2017** **Symposium co-organizer and session chair** at 30th, 31st, 32nd, 33rd, 34th, 35th, 36th, 37th, 38th, 39th, 40th, 41st and 42nd International Daytona Beach Advanced Ceramics and Composites.
- 2009-2010** **Symposium organizer and session chair** at 2009 and 2010 MS&T conference, 2009.
- 2008- 2014** **Faculty advisor** of Materials Advantage Student Chapter at Texas A&M University.
- 2007** **Member of the Nomination Committee**, the American Ceramic Society – Engineering Ceramics Division.
- 2006- 2008** **Faculty co-advisor** of Materials Advantage Student Chapter at Texas A&M University.
- 2005 – 2006** **Treasurer of ASM International**, Oak Ridge Chapter
- 2001 - present** **Journal peer reviewer for:** Scientific reports, Science, Carbon, Materials Characterization, Journal of Alloys and Compounds, Acta Materialia, Crystal Growth & Design, Journal of the European Ceramic Society, Materials Science & Engineering A, Composites Science and Technology, Journal of Materials Science, Scripta Materialia, Metallurgical and Materials Transactions, Materials Research Bulletin, International Journal of Applied Ceramic Technology, Journal of the Electrochemical Society, Journal of Membrane Sciences, International Journal of Fatigue and Fracture of Engineering Materials and Structures, Zeitschrift fur Metallkunde, Composites Science and Technology, Journal of the American Ceramic Society, Journal of Tribology, International Journal of Hydrogen Energy, Applied Physical Letters, Corrosion Science, Journal of Materials Research, Fuel Cells, Journal of Intelligent Materials; Materials Research Letters;
- Book reviewer for:** The Institute of Physics Publishing, Wiley Publishing.
- Proposal reviewer for:** National Science Foundation, Department of Energy, Air Force Office of Scientific Research, Science and Technology Center in Ukraine, The Petroleum Research Fund-The American Chemical Society, Chilean National Science and Technology Commission, National Science Centre of Poland, German Research Foundation;
- Conference proceedings reviewer:** Daytona Beach Conference on Advanced Materials and Composite: 2007, 2010, and 2011; MS&T Conference: 2009 and 2010,
- 2000 – 2001** **Graduate student representative** in the Graduate Curriculum Development and Tenure and Promotion Committee student member, Drexel University, Department of Materials Engineering.
- 2001** **Graduate student representative** in The Head of Department Search Committee, Department of Materials Engineering, Drexel University.
- 2000-2001** **Vice-President of Graduate Student Organization**, Drexel University, Department of Materials Engineering.

UNIVERSITY SERVICES:

- MCF Director, Aug. 2017- present.
- MSEN Associate Department Head, October 2014 – Aug. 2017.
- MSEN Director of Graduate Program, July 2013 – Aug. 2017.
- COE Graduate Instruction Committee (GIC), member, Sep. 2013 – present.
- COS Graduate Instruction Committee (GIC), member, Sep. 2016 – present.
- MSEN Microscopy faculty search committee, chair, 2017
- COE Engineering Honors Committee, member, Sep. 2013 – 2014.
- COE Engineering Innovation Center- Faculty Committee, member, Sep. 2013- 2014.
- Center for Advanced Materials for Energy Application workgroup, member, Oct. 2013- present.
- MSEN Corrosion/Electrochemistry faculty search committee, chair, 2014.
- EEC Common Laboratory Executive Board, member, Sept. 2014 - present
- COE Graduate Instruction Committee (GIC), member, Sep. 2013 – present.
- COE Student merit award committee, October 2015 - present
- MSEN Microprobe operator search committee, member, Sep. 2013 – present.

- MSEN Microprobe operator search committee, member, Sep. 2013 – present.
- MSEN Student Award committee, member, Jan. 2014 – present.
- MSEN Assessment committee, member, Sep. 2013 – present.
- MSEN Tenure and promotion committee, member, Nov. 2013 – present
- MSEN Standing faculty search committee, member, Nov. 2013 – present.
- MSEN Undergraduate curriculum committee, Jan. 2015 – present
- MEEN The Simmang Thompson and Caddess Award Committee, member, 2009-2013
- MSEN Preliminary and Qualifying Exam Committee, member, 2011-present
- MSEN Admission Committee, October 2007 – 2009, 2013-present
- Materials Advantage Student Chapter, faculty advisor, 2008-2014
- Materials Advantage Student Chapter, faculty co-advisor, 2006-2008, 2014-2016
- MEEN Safety Committee, Member, Sep. 2006 – present.
- MEEN – Metals and Ceramics Ph.D. QE Committee member. 2007-present.
- Judge at Student Research Week, Texas A&M University, 2008-2009.
- MEEN Faculty Search Committee, 2008-2009.
- MEEN ABET Committee, Member, January 2007 – September 2008.

ADVISING:

- Postdoctoral researchers:** S. Basu (2009-2011, Bruker Corporation)
E. Jung (2015, Research Professor, Korea University)
A. Bolon (2017-present)
- PhD student:** M. Lizcano (2008-2011, research scientist at NASA Glenn)
P. Gudlur (2009-2013, postdoc at Texas A&M University)
R. Benitez (2010-2015, Assistant professor at University of Texas – Rio Grande Valley)
L. Hu (2011-2015, postdoc at AMES Lab),
P. Gao (2011-2016, ASM International),
J. Xing (2011-2016, ABAQUS)
H. Gao (2011-2016, ABS Group),
A. Bolon (2012-2016, postdoc at Texas A&M University),
Y. Chen (2015- present)
E. Prehn (2016-present)
Z. Ten (2016- present)
O. Huang (2017-presnet)
- MS students:** T. Manisha (2006-2008, PhD student at Max Plank Institute),
K. Flynn (2006-2008, current position unknown)
W. Lim (2007-2009, current positon unknown)
H. Kim (2008-2010, Korean Army)
W. Beak (2008-2010, Korean Army)
K. Jeon (2010-2011, Korean Army)
M. Westwick (2014-2016, Schlumberger)
- Undergraduate Students:** N. Nudo (2007), D.J. Meschkat (2007), P. Mahaffey (2009-2010), R. Silva (2008),
E. Ormond (2007-2009), K. Driedger (2010-2011), J. Lentz (2010), A. Gonzales (2010-prenet),
J. Lentz (2010), A. Forness (2010-2012), F. Schaff (2011-2012), A. Gowdy (2011),
J. Beck (2011-2012), M. Westwick (2012-2014), A. Jung (2012-2013), T. Ali (2012),
A. Bozcek (2012), T. Ali (2012), G. Morrow (2013), P. Lovelace (2014), M. O’Neil (2013-2015), S. Ashton (2015), A. Lucas (2015), R. Underwood (2016),
B. Kramer (2016), D.G. Ha (2017-present), M. Harmati (2017-present).

Visiting scholars: Valentine Steenken, Ruhr-University Bochum, Germany (2013);
 Dr. Chunfeng Hu, Southwest Jiaotong University, China (2014);
 Dr. Goran Brankovic, University of Belgrade, Serbia (2013);
 Dr. Zorica Brankovic, University of Belgrade, Serbia (2014);
 Dr. Gwenaelle Proust, University of Sydney, Australia, (2014);
 Dr. Beatriz Valasco Ninez, Universidad Carlos III de Madrid, Spain (2014);
 Dr. Ana Poznyak, Belarus Technical State University (2016).

AFFILIATIONS

ASM International, American Ceramic Society, TMS, MRS, National Institute of Ceramic Engineers, ASEE

LANGUAGES

English, Russian, and Serbian

FUNDED RESEARCH PROJECTS

External grants

1. *DMREF: Collaborative research: Accelerated Development of Damage Tolerant and Oxidation Resistant Alumina-Forming MAX Phases*; NSF; PI: M. Radovic, Co-PI: R. Arroyave, A. Srivastava, M. Barsoum (Drexel University); 09/01/2017-08/31/2021;
2. MRI: Development of Multi-field Resonant Ultrasound Spectroscopy Phases; NSF; PI: M. Radovic, Co-PI: I. Karaman, J. Ross; 09/01/2017-08/31/2020;
3. AFRL/TAMU Data-Enabled Discovery and Design of Materials; AFRL – Minority Leadership Program; PI: R. Arroyave, Co-PIs: I. Karaman, Lagoudas, D., P. Shamberger, D. Hartl, D. Allaire, M. Radovic, A. Elwany, X. Qian, T. Cagin, M. Pharr, G. Huff, R. Malak; 06/01/2017-05/31/2018;
4. *Transportation Consortium of South-Central States (TRAN-SET)*; DOT; PI: M.M. Hassan; Co-PIs: S. Bogus, I. Karaman, C. Newton, S. Romanoschi, S. Dessouky, A. El-Sayed, R. Kommalapati, S. Ahmed, G. Ehteshami; Senior Personnel: Bandini, Cooper, Castaneda, Elseifi, Hartl, Karsilayan, Puppala, Mohammad, Rupnow, Radovic, and Taha; 01/01/2017-12/31/2017;
5. *DURIP- Multi-Material Bulk Deposition and Characterization System for Accelerated Materials Discovery and Design*; DoD-AFOSR, PI: I. Karaman; Co-PIs: M.E. Alaa, R. Arroyave, P. Shamberger, M. Radovic, D. Lagoudas; 07/15/2016 – 07/14/2017;
6. *REU Site: Undergraduate Research in Energy and Propulsion*; NSF; PI: E. Petersen, Senior Personnel: M. Radovic, W. Kulatilaka, S. Lee, A. Bowersox, B. Hascakir, S. Banerjee, P. Mukherjee, C. Aul; 09/01/2016 – 08/31/2019;
7. *Evaluation of Ti₂AlC as Environmental Barrier Coatings for Ti Alloy - Ti6242*; DoD-AFRL; PI: M. Radovic, Co-PI: I. Karaman, 09/01/2016-03/31/2017;
8. *NRT-DESE: Data-Enabled Discovery and Design of Energy Material*; NSF – DGA 1545403, PI: R. Arroyave; Co-PIs: D. Flower, R. Malak, E. Dougherty, J. Ross; Senior Personnel: J. Lutkenhaus, M. Radovic, D. Allaire, H. Zhou; 09/01/2015-08/31/2020;
9. *REU Site: Multifunctional Materials*; NSF-EEC 1461202; PI: I. Karaman, Co-PI: D. Lagoudas, Senior Personnel: R. Arroyave, T. Cagin, T. Creasy, J. Lutkenhaus, M. Naraghi, M. Radovic, P. Shamberger, C. Yu.; 10/01/2015-09/30/2018;
10. *Linking fundamental structural and physical properties of the MAX phase at finite temperatures through synergetic experimental and computational research*; NSF-DMR 1233792, PI: R. Arroyave, Co-PI.: M. Radovic; Period: 09/01/2014-08/31/2017;
11. *REU Site: Texas Center for Undergraduate Research in Energy and Propulsion*; NSF-EEC 1263196; PIs: E. Peterson and D. Ranjan; Senior Personnel: D. Banerjee, A. Strzelec, M. Radovic, T. Jacobs, K. Annamalai, R. Bowersox, P. Mukherjee, and D. Staack. Period: 10/01/2013-12/31/2013;

12. *Structural Properties of Metal-Ceramic Interfaces in Advanced Composite Materials for High-temperature Applications*; International Research Collaboration Award – University of Sydney, Australia; PI: M. Radovic Period: 9/01/2013-12/31/2013;
13. *Collaborative Research: Deformation and Damage Mechanisms in Ternary Carbides and Nitrides under Dynamic Conditions*; NSF-CMMI 1233792; PIs: M. Radovic and A. Shukla; Period: 10/01/2012-09/30/2016;
14. *Structural Properties of Metal-Ceramic Interfaces in Advanced Composite Materials for High Temperature Applications*; International Program Development Fund - University of Sydney; PIs: G. Proust, M. Radovic and I. Karaman; Period: 04/01/2012-03/31/2014;
15. *Supplement to CAREER: Effects of Anelastic Relaxation of Defect Complexes on the Mechanical Behavior of Oxide Ceramics*; NSF, PI: M. Radovic; Period: 05/01/2012-12/31/2012;
16. *CAREER: Effects of Anelastic Relaxation of Defect Complexes on the Mechanical Behavior of Oxide Ceramics*; NSF-DMR 1057155, PI: M. Radovic; Period: 04/01/2011-03/30/2015;
17. *CCLI: Scaling Up Undergraduate Research Experience through Student-led Class-wide Projects in an Introductory Materials Science*; NSF; PIs: R. Arroyave, M. Radovic, J. Froyd; Period: 09/01/2010-08/31/2014;
18. *DURIP: Acquisition of Mechanically Assisted Spark Plasma Sintering System for Advanced Research and Education on Functionally Graded Hybrid Materials*; DOD-AFOSR; PIs: D. Lagoudas, M. Radovic, I. Karaman, Z. Ounaies; Period: 10/01/2010-9/30/2011;
19. *Nonlinear Field-Coupling Responses of Adaptive Functionally Graded Structures*; NSF; PIs: A. Muliana, M. Radovic, J.N. Reddy; Period: 10/01/2010-9/30/2014;
20. *MURI: Synthesis, Characterization and Prognostic Modeling of Functionally Graded Hybrid Composites for Extreme Environments*; DOD-AFOSR FA-9550-09-1-0686; PIs: D. Lagoudas, P. Cizmas, B. Gao, I. Karaman, O. Ochoa, Z. Ounaies, M. Radovic, J.N. Reddy, J. Whitcomb, P. Geubelle, N. Sottos, S. White, K. Lafdi, D.J. Inman, N. Goulbourne, G. Seidel, F.K. Chang; Period: 10/01/2009-05/30/2015;
21. *Mechanical Properties Studies Using High-Temperature Resonant Ultrasound Spectroscopy in Controlled Environments*, DOE – Oak Ridge National Laboratory; PI: M. Radovic; Period: 4/12/2009-09/30/2010;

Internal grants

1. *MXenes as a new family of tailorable 2D materials for energy storage*; Texas A&M Energy Institute; PI: M. Radovic, Co-PIs: J. Lutkenhaus, M. Green; Period: 07/01/2014-6/30/2018;
2. *Use of Large Introductory Classes to Propagate Active Teaching Methodologies Throughout Undergraduate Curricula*, IEEEI-Texas A&M University; PI. P. Shamberger, Co-PIs: T. Hartwig, R. Arroyave, M. Radovic; Period: 09/01/2014-8/31/2015;.
3. *Multifunctional Materials for Energy Conversion and Storage*, Pathway to Doctorate Program-Texas A&M University; PI. P. Shamberger, Co-PIs: T. Hartwig, R. Arroyave, M. Radovic; Period: 09/01/2014-8/31/2017;
4. *Mechanochemistry of Interfaces and 2D Materials*, RDF -Texas A&M University; PIs: J. Batteas, Co-PIs: S. Benerjee, T. Cagin, X. Qian, M. Green, H. Liang, A. Ploycarpou, M. Radovic; Period: 9/101/2016-08/30/2017;

PUBLICATIONS AND PRESENTATIONS

Google Scholar - Citations: **3129**; h-index: **28**; i10-index: **47**; Average number of citations per pepper: **24.6**
(<https://scholar.google.com/citations?user=ih-uZbYAAAAAJ&hl=en>)

^G Texas A&M graduate students advised by M. Radovic at Texas A&M

^U Texas A&M undergraduate students advised by M. Radovic at Texas A&M

^{PD} Postdoctoral researchers supervised by M. Radovic at Texas A&M

Peer Reviewed Publications

Peer Reviewed Book Chapters, Invited and Feature Journal Papers

1. Bakic, M., Djukic, M., Rajicic, B., Sijacki-Zeravcic, V., Maslarevic, A., Radovic, M., Maksimovic, V., Milosevic, M., “Characterization of Tube Repair Weld in Thermal Power Plant Made of a 12%Cr Tempered Martensite Ferritic Steel”, in Monograph Fracture at all Scales, Eds. G. Pluvillage and Milovic, Lj., pp. 151-169, Springer, 2017.

2. Lara-Curzio, E., Radovic, M., and Luttrell, C.R., "On the Applicability of Probabilistic Analyses to Assess the Structural Reliability of Materials and Components for Solid-Oxide Fuel Cells," in *Engineering Ceramics: Current Status and Future Prospects*, Eds: T. Ohji and M. Singh, Wiley, 2016.
3. Hu, L.,^G Karaman, I., and Radovic, M., "Simple, inexpensive synthesis of damage-tolerant MAX phase foams," *invited article in the American Ceramic Society Bulletin*, 92 (5), 31-32, May 2013.
4. Radovic, M. and Barsoum, M.W., "The MAX Phases: Bridging the Gap between Metals and Ceramics" *invited feature article in the American Ceramic Society Bulletin*, 92 (3), 20-27 April 2013.
5. Barsoum, M.W., and Radovic, M., "The Elastic and Mechanical Properties of the MAX Phases," *Annual Review in Materials Research*, Vol.41, pp. 9:1-9:33, 2011. (Invited review article).
6. Barsoum, M.W., and Radovic, M., "Mechanical Properties of $M_{n+1}AX_n$," *Encyclopedia of Materials Science and Technology*, Eds. Buschow, Cahn, Flemings, Kramer, Mahajan and P. Veysiere, Elsevier Science, 2004.
7. Sijacki-Zeravcic V., Voldemarov, A.V. and Radovic, M., "Damage Growth on Non-Metallic Inclusions and Second Phase Particles in Heat-Resisting Steels During Service at Elevated Temperatures," *Fracture Mechanics, Strength and Integrity of Materials*, Jubilee Book Devoted to V.V. Panasyuk, Lvov, Ukraine, 1996.

Peer Reviewed Referred Journals

8. Sun, W., Shah, S., Chen, Y.G, Tan, Z.G, Gao, H.G, Habib, T., Radovic, M., and Green, M., "Electrochemical etching of Ti_2AlC to Ti_2CT_x (MXene) in low-concentration hydrochloric acid solution", *Chemical Communications*, in print, 2017.
9. Sarwar, J., Shrouf, T., Srinivasa, A., Gao, H.^G, Radovic, M., and Kakosimos, K., "Thermal performance and optical properties of MAX phase materials under concentrated solar irradiation," *Solar Energy Materials and Solar Cells*, under review, 2017.
10. Kota, S., Zapata-Solvas, E., Chan, Y.^G, Radovic, M., Lee, W.E., Barsoum, M.W., "Long-Term Isothermal and Cyclic Oxidation of $MoAlB$ in Air from 1100 °C to 1400 °C", *Journal of the Electrochemical Society*, under review, 2017.
11. Arroyave, R., Talapatra, A., Doug, T., Son, W., Radovic, M., "Out-of-plane Ordering Quaternary MAX Alloys: An Alloy Theoretic Perspective," *Materials Research Letters*, in print, 2017.
12. An, H., Habiob, T., Shah, S., Gao, H.,^G Radovic, M., Green, M.J., and Lutkenhaus, J.L., "Highly stretchable and bendable conductive MXene multilayers," *Science Advances*, under review, 2017.
13. Xing, J.,^G Muliana, A., and Radovic, M., "Characterization of thermal transport properties of composites using hot disk: A Numerical Simulations for $Ag/BaTiO_3$ composites", *International Journal of Heat and Mass Transport*, in print, 2017.
14. Bolon, A.,^G Gao, P.,^G and Radovic, M., Resonant ultrasound spectroscopy of anelastic relaxation in stabilized zirconia", *Physical Review B*, under review, 2017.
15. Zhou, J., Zhu, D., Xu, L., Gao, H.,^G Radovic, M., and Hu, C., "Enhancing mechanical properties of Al_2O_3 fiber reinforced Ti_2AlC composites fabricated by spark plasma sintering", *Journal of the European Ceramic Society*, under review, 2017.
16. Jung, E.,^{PD} Zhou, Y.,^G Arroyave, R., Radovic, M., Shamberger, P.J., "Psychometric Evaluation of the Materials Concept Inventory," *Quantitative Psychology and Measurement*, under review, 2017.
17. Gudlur, P.,^G Radovic, M., and Muliana, A., "Performance of $Al-Al_2O_3$ Composites under Coupled Mechanical and Thermal Stimuli", *Experimental Mechanics*, in review, 2017.
18. Duong, T., Talapatra, A., Son, W., Radovic, M., and Arroyave, R., "On the phase stability of the $Ti_2AlC-Cr_2AlC$ system: an ab initio approach", *Scientific Reports*, Vol. 7, pp. 1-13, 2017.
19. Benitez, R.,^G Gao, H.,^G O'Neal, M.,^U Lovelace, P.,^U Proust, G., and Radovic, M., Effect of Microstructure on the mechanical properties of Ti_2AlC in compression", *Acta Materialia*, under review, 2017.
20. Son, W., Gao, H.,^G Duong, T., Talapatra, A., Arroyave, R., and Radovic, M., "Effect of A-mixing in the $Ti_3(Si_xAl_{1-x})C_2$ MAX Phase: A Computational and Experimental Approach", *Physical Review B*, Vol. 95, pp. 235131, 2017.
21. Parrikar, P., Benitez, R.,^G Gao, H.,^G Radovic, M., and Shukla, A., "The effect of grain size on deformation and failure of Ti_2AlC MAX Phase under Thermo-mechanical loading, *Experimental Mechanics*, Vol. 57,

- pp. 675-685, 2017.
22. Kota, S., Agne, M., Zapata-Sovas, E., Dezellus, O., Lopez, D.,^G Gardiola, B., Radovic, M., Barsoum, M., “Thermal Stability and Thermodynamic Parameters of MoAlB,” *Physical Review B*, Vol. 95(14), pp. 144108, 2017.
 23. Xing, J.,^G Radovic, M., and Muliana, A., “Elastic and dielectric properties of active Ag/BTiO₃ composites”, *Experimental Mechanics*, pp. 1-16, 2017.
 24. Xing, J.,^G Radovic, M., and Muliana, A., “A Nonlinear Constitutive Model for Describing Cyclic Mechanical Responses of BaTiO₃/Ag Composites”, *Acta Mechanica*, Vol. 228, pp. 2017-2031, 2017.
 25. Jovic, B., Jovic, V., Brankovic, G., Radovic, M., and Krstajic, N., “Hydrogen evolution in acid solution at Pd electrodeposited onto Ti₂AlC”, *Electrochimica Acta*, Vol. 224, pp. 571-584, 2017.
 26. Shah, S.A., Habib, T., Gao, H.,^G Gao, P.,^G Sun, W., Green, M.J., and Radovic, M., “Template-free 3D titanium carbide (Ti₃C₂T_x) MXene particles crumpled by capillary forces”, *Chemical Communications*, Vol. 53, pp. 400-403, 2017.
 27. Gao, P.,^G Bolon, A.,^G Taneja Pathak, M.,^G Xie, Z., Orlovskaya, N., and Radovic, M., “Thermal Expansion and Elastic Moduli of Electrolyte Materials for High and Intermediate Temperature Solid Oxide Fuel Cell”, *Solid State Ionics*, 300, pp. 1-9, 2017.
 28. Parrikar, P.N., Benitez, R.,^G Radovic, M., and Shukla, A., “Effect of Microstructure on Mechanical Response of MAX Phases,” *Mechanics of Composite and Multi-functional Materials*, Vol. 1, pp. 171-175, 2017.
 29. Brankovic, Z., Lukovic-Golic, D., Radojkovic, A., Cirkovic, J., Pajic, D., Marinkovic-Stanojevic, Z., Xing, J.,^G Radovic, M., and Brankovic, G., “Spark Plasma Sintering of Hydrothermally Synthesized BiFeO₃”, *Processing and Application of Ceramics*, Vol. 10, pp. 257-264, 2016.
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 31. Hu, L.,^G O’Neil, M.,^U Erturun, V., Benitez, R.,^G Proust, G., Karaman, I., and Radovic, M., “High-Performance Metal/Carbide Composites with Far-From-Equilibrium Compositions and Controlled Microstructures,” *Scientific Reports*, Vol. 6, 35523, 2016.
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123. Sijacki-Zeravcic, V., Markovic, A., Stamenic, Z., Radovic, M., "Proposition for Classification of Damages and Defects Detected in High-Temperature Welded Joints by Replica," Proceedings of International Symposium "Welding 96", Belgrade, Yugoslavia, 1996.
124. Sijacki-Zeravcic, V., Stamenic, Z., Radovic, M., Markovic, A. and Knezevic, P., "Some Aspects of Tube-Panels Montage Welding Technology Improvements," Proceedings of International Symposium "Welding 96", Belgrade, Yugoslavia, 1996.
125. Voldemarov, V., Sijacki-Zeravcic, V., Radovic, M., and Milanovic, D., "Determination of Resistance to Fatigue Crack Propagation and Service Time of Metals of Welded Constructions," Proceedings of International Symposium "Welding 96", Belgrade, Yugoslavia, 1996.
126. Djordjevic, V., Veljic, M., Markovic, A. and Radovic, M., "Algorithm for Construction Material

- Selection,” Proceedings of the 21st JUPITER Conference, Belgrade, Yugoslavia, 1995.
127. Sijacki-Zeravcic, V., Radovic, M., and Markovic, A., “Load Capacity Calculation of Welded Joints with X and V Grooves,” Proceedings of International Symposium “Welding 94”, Belgrade, Yugoslavia, 1995.
 128. Sijacki-Zeravcic, V., Sedmak, S., Stamenic, Z., Radovic, M., and Markovic, D., “Influence of Anchors Mounting on Residual Stress Distribution and Crack Appearance in Welding Joint,” Proceedings of International Symposium “Welding 94”, Belgrade, Yugoslavia, 1995.
 129. Sijacki-Zeravcic, V. and Radovic, M., “Influence of Sulfur on Carbide Process in Material for Pipeline, 0.5Cr0.5Mo0.25V Type, After Exploitation”, Proceedings of International Symposium on Materials Ageing and Component Life Extension, Milan, Italy 1995.
 130. Djordjevic, V., Radovic, M., and Pantovic, A., “Advanced Composite Materials and Their Application in Machine Production,” Proceedings of the 1st Symposium on Heavy Mach Symposium on Heavy Machinery Production, Vrnjacka Banja, Yugoslavia, 1993.
 131. Milosavljevic, A., Sreckovic, M., Dinulovic, M., Kovacevic, K., Prokic-Cvetkovic, R., Radakovic, Z. and Radovic, M., “Characteristics of ALiCuSiMg Alloy Damage Developing Under Laser-Beam and Material Inspection,” Proceedings of the 8th International Conference on Fracture, Kiev, Ukraine, 1993.
 132. Milanovic, D., Sijacki-Zeravcic, V., Markovic, A., Radovic, M., “Residual Life Assessment of Pipeline Bend by a Metallographic Measurement of Cavitation Damage-Determination of the " A" Parameter,” Proceedings of the 8th International Conference on Fracture, Kiev, Ukraine, 1993.

Non-refereed Publications

1. Radovic, M., “Effect of Temperature and Microstructure on Tensile and Tensile Creep Properties of Ti_3SiC_2 in Air”, Ph.D. Thesis, Drexel University, Philadelphia, PA, 2001.
2. Radovic, M., “Influence of Size, Type and Distribution of Carbides and Sulfides on Degradation of Materials Properties of High-Temperature Components under the Real Service Conditions,” M.S. Thesis, University of Belgrade, Yugoslavia, 1997.

Invited Talks:

1. Radovic, M., “Coupled Anelastic and Dielectric Relaxation in Doped Binary Oxides with Fluoride Structure’, Drexel University, Philadelphia, PA. 2017.
2. Radovic, M., “Nanolayered MAX phases and their 2D derivatives MXenes: Current status and perspectives”, NASA Glenn Research Center, Cleveland, OH, 2017.
3. Arroyave, R., Talapatra, A., Doung, T., Son, W., Gao, H., Radovic, M., “Intrinsic Alloying Behavior in M and A Sublattices in 211 and 312 MAX Phases: Insights from Ab Initio Calculations”, 41st International Conference & Exposition on Advanced Ceramics and Composites, Daytona Beach, FL, 2017.
4. Son, W., Gao, H., Talapatra, A., Doung, T., Radovic, M., and Arroyave, R., “Computational and experimental approach to structural, mechanical, and thermodynamic properties of $Ti_3(Si_xAl_{1-x})C_2$ ”, 41st International Conference & Exposition on Advanced Ceramics and Composites, Daytona Beach, FL, 2017.
5. Radovic, M., “MAX phases: Bridging the gap between metals and ceramics,” Lamar University, 2016.
6. Gao, P., Bolon, A., Lara-Curzio, E., An, K., Payzant, A., Brankovic, Z., Brankovic, G., Radovic, M., “On Anelastic Relaxation in Doped Ceria and Zirconia Ceramics,” 3rd Conference of The Serbian Society for Ceramic Materials, Belgrade, 2015.
7. Radovic, M., “Engineering Nanolaminated Ternary Carbides and Nitrides (the MAX phases) and Their Composites for Extreme Environments,” University of Dayton, Dayton, OH, 2015
8. Benitez, R., Gao, H., Karaman, I., Proust, G., Kan, H., Radovic, M., “The Role of Microstructure on Mechanical Behavior of Ti_2AlC ”, 39th International Conference and Exposition on Advanced Ceramics and Composites, Daytona Beach, FL, 2015.
9. Radovic, M., “Engineering the MAX phases for High Temperature Applications,” University of Central Florida, FL, 2014.
10. Radovic, M., “On the MAX-phase Matrix Composites Processed Using Spark Plasma Sintering,” 13th

- International Ceramics Congress, Montecatini Terme, Italy, 2014.
11. Radovic, M., “Processing and Characterization of Graded Ceramic- Metal Composites (GCMCs),” Air Force Research Laboratory, Dayton, OH, 2014.
 12. Radovic, M., “The MAX phases: Bridging the gap between metals and ceramics,” Monash University, Australia, 2013.
 13. Radovic, M., “The MAX phases: Bridging the gap between metals and ceramics,” University of Sydney, Australia, 2013.
 14. Radovic, M., “Structure and properties of the MAX phases,” The Second Conference of The Serbian Ceramic Society, Belgrade, Serbia, 2013.
 15. Radovic, M., “Progress Towards MAX-Phase Matrix Composites,” NASA Glenn Research Center, Cleveland, OH, 2012.
 16. Radovic, M., “On the Ceramic Systems with Atypical Properties,” University of Sydney, Sydney, Australia, 2012.
 17. Radovic, M., Lizcano, M.,^G and Westwick, M.,^U “On the Effects of Water Content on the Structure and Thermo-Mechanical Properties of Geopolymers,” Geopolymers Camp, Saint-Quentin, France, 2012.
 18. Radovic, M., “Structure and Properties of MAX Phases – A New Class of Nanolayered Ternary Carbides and Nitrides,” Serbian Ceramic Society, Belgrade, Serbia, 2012.
 19. Lizcano, M.,^G and Radovic, M., “On the Effects of Water Content and Si/Al on the Structure and Properties of Geopolymers,” 36th International Conference on Advanced Ceramics and Composites, Daytona Beach, FL, 2012.
 20. Radovic, M., “Effects of Anelastic Relaxation of Defect Complexes on the Mechanical Behavior of Oxide Ceramics,” NSF – Annual Ceramics Program PIs workshop, Arlington, VA, 2012.
 21. Radovic, M., “Mechanical Properties of the MAX Phases and Their Composites,” University of Central Florida, 2012.
 22. Lane, N., Vogel, S., Radovic, M., and Barsoum, M.W., “Damping, High Temperature Neutron Diffraction and Rietveld Analysis of Selected MAX Phases,” 2010 MS&T Conference, Houston, TX, 2010.
 23. Radovic, M., “Mechanical Properties of MAX Phases,” Southwest Research Institute, June 2010.
 24. Radovic, M., “Fabrication and Characterization of Bulk Ceramic MAX Phase and Max-Metal Composites,” Hybrid Materials Workshop, AFRL – Dayton OH, May 2010.
 25. Radovic, M., “Non-linear Elastic Behavior of Ceramics,” University of Texas – Pan American, April 2009
 26. Radovic, M., “Reliability of Ceramic Materials for Fuel Cell Technology,” Monterrey Tech, Mexico City, 2008.
 27. Radovic, M., “Reliability and Durability of Solid Oxide Fuel Cells,” Texas A&M University Mexico City Center, Mexico, 2008.
 28. Radovic, M., “Mechanical Properties of the MAX Phases,” UNAM Mexico City, Mexico, 2008.
 29. Radovic, M., “Thermal and Mechanical Properties of Ni-YSZ Anode and YSZ Electrolyte materials for Solid Oxide Fuel Cells,” Serbian Chemical Society, Belgrade, Serbia, 2007.
 30. Radovic, M., “Resonant Ultrasound Spectroscopy for Characterization and Non-destructive Testing of Materials,” University of Belgrade, Belgrade, Serbia, 2007.
 31. Radovic, M., “Fuel Cells: The key segment of Hydrogen Economy,” Materials Advantage Student Chapter at Texas A&M, 2007.
 32. Radovic, M., “Mechanical Properties of the MAX Phases,” seminar at Oregon State University, 2007
 33. Radovic, M., “Reliability and Durability of the Materials and Components for Solid Oxide Fuel Cells,” invited graduate seminar at Texas A&M University, 2007.
 34. Radovic, M., “Thermal and Mechanical Properties of Ni-based Anode and YSZ Electrolyte Materials for Solid Oxide Fuel Cells,” invited seminar at Michigan Tech, 2006.
 35. Radovic, M., “Materials for the Hydrogen Economy,” Oak Ridge Institute for Continued Learning, Oak Ridge, TN, 2006.
 36. Radovic, M., “Mechanical properties of MAX Phases,” Texas A&M University, College Station, TX, 2005.
 37. Radovic, M., “Reliability and Durability of Solid Oxide Fuel Cells,” Drexel University, Philadelphia, PA, 2005.
 38. Radovic, M., “Mechanical properties of MAX Phases,” University of Tennessee, Knoxville, TN, 2005.

39. Radovic, M., “Reliability and Durability of the Materials and Components for Solid Oxide Fuel Cells,” Ceramtec, Salt Lake City, Utah, 2005.
40. Radovic, M., “Thermomechanical Properties of Ni-based Anode and YSZ Electrolyte for Solid Oxide Fuel Cells,” University of Kentucky, 2004.
41. Lara-Curzio, E., Radovic, M. and Armstrong, B., “Effect of Hydrogen Reduction on the Thermomechanical Properties of Ni-Based Anodes For Solid Oxide Fuel Cells” 28th Cocoa Beach Conference on Advanced Ceramics and Composites Ceramics, Cocoa Beach, FL, 2004.
42. Radovic, M., and Lara-Curzio, E., “SOFC – Thermomechanical Failure Modes,” 2003 ASME IMECE AESD Fuel Cells Panel, Washington, DC, 2003.
43. Radovic, M., “Mechanical Properties of MAX Phases,” University of Belgrade, Yugoslavia, 2003.
44. Radovic, M., “MAX Phases: New class of nano-laminated carbides and nitrides” Institute of nuclear sciences “Vinca,” Belgrade, Yugoslavia, 2003.
45. Radovic, M., “Mechanical Properties of Ti_3SiC_2 ”, Oak Ridge National Laboratory, TN, 2001.
46. Radovic, M., “Tensile Creep of Ti_3SiC_2 ”, National Institute of Standards and Technology, Gaithersburg, MD, 2000.

Conference presentations

1. Doung, T., Talapatra, A., Son, W., Gao, H., Radovic, M., Arroyave, R., “First-principles-based evaluation of $Ti_2AlC-Cr_2AlC$ phase diagram”, 41st International Conference & Exposition on Advanced Ceramics and Composites, Daytona Beach, FL, 2017.
2. Talapatra, A., Doung, T., Son, W., Gao, H., Radovic, M., Arroyave, R., and Radovic, M., “A high throughput combinatorial approach to the exploration of the effect of M site alloying on the solid solution behavior of Ti_2AlC MAX phase”, 40th International Conference and Exposition on Advanced Ceramics and Composites, Daytona Beach, FL, 2017.
3. Doung, T., Talapatra, A., Son, W., Gao, H., Radovic, M., Arroyave, R., “How ICME and MGI fruition benefits the MAX community: A case study on the calculation of $(Cr, Ti)_2AlC$ phase diagram”, 40th International Conference and Exposition on Advanced Ceramics and Composites, Daytona Beach, FL, 2017.
4. Gao, H., Son, W., Arroyave, R., and Radovic, M., “Fabrication and characterization of $Ti_3Al_{1-x}Si_xC_2$ MAX phase solid solution, $x = 0-1$ ”, 40th International Conference and Exposition on Advanced Ceramics and Composites, Daytona Beach, FL, 2016.
5. Son, W., Gao, H., Radovic, M., Arroyave, R., Doung, T., and Talapatra, A., “Effect of the A element on the Mechanical Properties of MAX phases,” 40th International Conference and Exposition on Advanced Ceramics and Composites, Daytona Beach, FL, 2016.
6. Bolon, A., Gao, P., Radovic, M., “Elastic properties and mechanical loss of doped cerias and zirconias determined by resonant ultrasound spectroscopy,” 40th International Conference and Exposition on Advanced Ceramics and Composites, Daytona Beach, FL, 2016.
7. Gao, P., Bolon, A., Radovic, M., Lara-Curzio, E., Trejo, R., An, K., Payzant, A., Yu, D., and Chen, Y., “Effect of anelastic relaxation and dielectric relaxation on 8YSZ”, 40th International Conference and Exposition on Advanced Ceramics and Composites, Daytona Beach, FL, 2016.
8. Xing, J., Radovic, M., and Muliana, A., “Hysteretic Mechanical Responses of Barium Titanate and Barium Titanate -Silver-Its Composites,” International Mechanical Engineering Congress & Exposition, ASME, Phoenix, AZ, 2016.
9. Gao, P., Bolon, A., Lara-Curzio, E., Trejo, R., An, K., Payzant, A., and Radovic, M., “Anelastic and dielectric relaxation of 8mol% stabilized zirconia”, 2016 MS&T Conference, Salt Lake City, UT, 2016.
10. Doung, T., Talapatra, A., Son, W., Arroyave, R., and Radovic, M., “On The First-Principles Calculations of $(Ti, Cr)_2AlC$ ”, 2016 MS&T Conference, Salt Lake City, UT, 2016.
11. Talapatra, A., Doung, T., Son, W., Gao, H., Arroyave, R., and Radovic, M., “Effect of M site alloying on the solid solution behavior of $(Ti, V, Zr, Hf)_2AlC$ MAX phases using high throughput ab-initio methods”, 2016 MS&T Conference, Salt Lake City, UT, 2016.

12. Son, W., Talapatra, A., Duong, T., Radovic, M., and Arroyave, R., "Stacking fault energy and shear deformation of Ti_3AC_2 (A=Al and Si) using density-functional calculations", 2016 MS&T Conference, Salt Lake City, UT, 2016.
13. Kramer, B., ^U Xing, J., ^G Benitez, R., ^G Radovic, M., and Muliana, A., "Hysteretic response of MAX phases at room temperatures: modeling and experiment," 53rd Annual Technical Meeting – Society of Engineering Science, College Park, MD, 2016.
14. Parrikar, P.N., Benitez, R., ^G Radovic, M., and Shukla, A., "Effect of microstructure on mechanical response of MAX phases," 2016 SEM International Congress & Exposition On Experimental & Applied Mechanics - Society For Experimental Mechanics, Lake Buena Vista, FL, 2016.
15. Gao, P., ^G Bolon, A., ^G Lara-Curzio, E., Trejo, R., An, K., Payzant, A., and Radovic, M., "Mechanical damping and dielectric relaxation of 8mol% stabilized zirconia", International Research Conference on Structure and Thermodynamics of Oxides at High Temperatures, Davis, CA, 2016.
16. Benitez, R., ^G Proust, G., Karaman, I., Radovic, M., "Hysteretic Stress-strain Behavior of Ti_2AlC ", 3rd Conference of The Serbian Society for Ceramic Materials, Belgrade, 2015.
17. Gao, P., ^G Bolon, A., ^G Lara-Curzio, E., An, K., Payzant, A., Brankovic, Z., Brankovic, G., Radovic, M., "On Anelastic Relaxation in Doped Ceria and Zirconia Ceramics," 3rd Conference of The Serbian Society for Ceramic Materials, Belgrade, 2015.
18. Shamberger, P.J., Jung, E., ^{PD} Zhou, Y., ^G Arroyave, R., Radovic, M. "Psychometric Analysis of the Materials Concept Inventory: Limitations of the Principle Assessment Tool for Introductory Materials Science Courses," 1st Mid-Years Engineering Experience Conference (MYEEC), College Station, TX, 2015.
19. Shamberger, P., Jung, E., ^{PD} Zhou, Y., ^G Arroyave, R., Radovic, M., "The Impact of Course-Wide Research Experience on Student Learning and Attitude: Application to an Introductory Materials Science Course" Sixth Annual Symposium on Material Sciences and Engineering, Doha, Qatar, 2015
20. Gao, P., ^G Bolon, A., ^G Radovic, M., "Anelastic and Dielectric Relaxation in Doped Oxide Ceramics", 2015 MS&T Conference, Columbus, OH, 2015.
21. Scharf, T.W., Radovic, M., Babusha, T., Argbbay, N., "Spark Plasma Sintered MAX Phase Ternary Alloys for Sliding Electrical Contacts," 70th Annual Meeting and Exhibition of the Society of Tribologists and Lubrication Engineers, Dallas, TX, 2015.
22. Hu, L., ^G Benitez, R., ^G Kothalkar, A., Gao, H., ^G Karaman, I., Radoivc, M., "Engineering Nanolaminated Ternary Carbides and Nitrides (the MAX phases) and Their Composites for Extreme Environments", The TMS Middle East-Mediterranean Materials Congress on Energy and Infrastructure Systems, Doha, Qatar, 2015.
23. Hu, L., ^G Kothlakar, A., Lester, B., Benitez, R., ^G Radovic, M., Karaman, I., Lagoudas, I., "Processing, Characterization and Modeling of the MAX Phase-Metal Composites for High-Temperatures", 39th Annual Conference on Composites, Materials and Structures held in Cocoa Beach, FL., 2015.
24. Benitez, R., ^G Gao, H., ^G Karaman, I., Proust, G., Kan, H., Radovic M., "The Role of Microstructure on Mechanical Behavior of Ti_2AlC ", 39th International Conference and Exposition on Advanced Ceramics and Composites, Daytona Beach, FL, 2015.
25. Hu, L., ^G Kothlakar, A., Lester, B., Benitez, B., ^G Radovic, M., Karaman, I., Lagoudas, D., "Processing, Characterization and Modeling of the MAX Phase-Shape Memory Alloys Composites for High-Temperatures", 39th Annual Meeting on Composites, Materials and Structures, Cocoa Beach, FL, 2015.
26. Bolon, A., ^G Gao, P., ^G Radovic, M., "Changes of Elastic Properties of Pure and Doped Cerias with Temperature", 39th International Conference and Exposition on Advanced Ceramics and Composites, Daytona Beach, FL, 2015.
27. Gao, P., ^G Lara-Curzio, E., Trejo, R., An, K., Payzant, E., Yu, D., Chen, Y., Bolon, A., Radovic, M., "Effects of Anelastic Damping and Phase Transformations on the Elastic Properties of Stabilized Zirconias", 39th International Conference and Exposition on Advanced Ceramics and Composites, Daytona Beach, FL, 2015.
28. Hu, L., ^G O'Neal, M., ^U Erturun, V., Benitez, R., ^G Proust, G., Karaman, I., Radovic, M., "A Rapid Infiltration Approach to High-Performance Metal/MAX Phase Composites with Controlled Microstructures", 39th International Conference and Exposition on Advanced Ceramics and Composites, Daytona Beach, FL,

- 2015.
29. Benitez, R., Gao, H., Karaman, I., Proust, G., Radovic, M., Effect of Microstructure on Mechanical Damping in Ti₂AlC”, 39th International Conference and Exposition on Advanced Ceramics and Composites, Daytona Beach, FL, 2015.
 30. Gao, P., Lara-Curzio, E., Trejo, R., Brankovic, G., Brankovic, Z., Radovic, M., Mechanical Damping and Dielectric Relaxation of in 8 mol% YSZ”, 225th Electro Chemical Society (ECS) Meeting, Orlando, Florida, 2015.
 31. Gao, H., Tallman, D., O’Neil, M., Barsoum, M., Radovic, M., “Fabrication and mechanical properties of fiber-reinforced Ti₂AlC and Ti₃SiC₂”, 143th TMS Annual Meeting and Exhibition, San Diego, FL, 2014.
 32. Kothalkar, A., Benitez, R., Hu, L., Radovic, M., Karaman, I., “Thermo-mechanical response and damping behavior of Shape Memory Alloy/MAX phase composites,” 143th TMS Annual Meeting and Exhibition, San Diego, FL, 2014.
 33. Gao, H., O’Neil, M., Karaman, I., and Radovic, M., “Reaction Spark Plasma Sintering of Ti₂AlC from Ti, Al and TiC powders”, 38th International Conference and Exposition on Advanced Ceramics & Composites, Daytona Beach, FL, 2014.
 34. Parrkar, P.N., Abotula, S., Gao, H., Benitez, R., Radovic, M., Shukla, A., “Constitutive Behavior and Fracture Toughness of Ti₂AlC under Dynamic Thermo-mechanical Loading”, 38th International Conference & Exposition on Advanced Ceramics & Composites, Daytona Beach, FL, 2014.
 35. Bolon, A., Gao, P., Radovic, M., “Changes of Elastic Properties of Pure and Doped Cerias with Temperature as Determined by Resonant Ultrasound Spectroscopy,” 38th International Conference & Exposition on Advanced Ceramics & Composites, Daytona Beach, FL, 2014.
 36. Gao, P., Lara-Curzio, E., Trejo, R., Radovic, M., “Effect of Anelastic Relaxation and Phase Transformations of Defect Complexes on the Mechanical Elastic Properties of Stabilized Zirconias,” 38th International Conference & Exposition on Advanced Ceramics & Composites, Daytona Beach, FL, 2014.
 37. Gao, H., Bandyopadhyay, A., Karaman, I., Radovic, M., “Synthesis and characterization of bulk (Cr_{1-x}Mn_x)₂AlC (0<x<0.2)”, 38th International Conference & Exposition on Advanced Ceramics & Composites, Daytona Beach, FL, 2014.
 38. Hu, L., O’Neil, M., Benitez, R., Kothalkar, A., Proust, G., Karaman, I., Radovic, M., “Shape Memory Alloy (SMA)/MAX Phase Composites: High-Temperature Thermal and Mechanical Properties”, 38th International Conference and Exposition on Advanced Ceramics and Composites (ICACC’14), Daytona Beach, FL, 2014.
 39. Hu, L., Kothalkar, A., Karaman, I., Proust, G., Radovic, M., “Interfaces Between Shape memory alloys and MAX phases: A comparison study of interpenetrating and bilayer composites”, 38th International Conference and Exposition on Advanced Ceramics and Composites (ICACC’14), Daytona Beach, FL, 2014.
 40. Hu, L., Kothalkar, A., Karaman, I., Proust, G., Radovic, M., “Melt Infiltration based on Spark Plasma Sintering Technique: a Novel, Versatile Route for Producing Ceramic-Metal Composites”, 38th International Conference and Exposition on Advanced Ceramics and Composites (ICACC’14), Daytona Beach, FL, 2014.
 41. Benitez, R., Gao, H., Karaman, I., Radovic, M., “Effect of Processing Route on the Mechanical Properties of Ti₂AlC”, 38th International Conference and Exposition on Advanced Ceramics and Composites (ICACC’14), Daytona Beach, FL, 2014.
 42. Hu, L., O’Neil, M., Benitez, R., Kothalkar, A., Proust, G., Karaman, I., Radovic, M., “Aluminum alloy/Ti₂AlC composites prepared by infiltration of Ti₂AlC foam with molten aluminum alloy”, 2014 Materials Research Society Spring Meeting, San Francisco, CA, 2014.
 43. Radovic, M., Karaman, I., Hu, L., Benitez, R., Kothalkar, A., Gao, H., “Processing and Characterization of the MAX Phase – Metal Composites”, The Eight Japan-Mediterranean Conference on Applied Electromagnetic Engineering for Magnetic, Superconducting, Multifunctional and Nanomaterials, Athens, Greece, 2013.
 44. Radovic, M., Lizcano, M., and Westwick, M., “The “Effects of Water Content and Chemical Composition on the Structure and Compressive Strength of Geopolymers,” The Second Conference of The Serbian Ceramic Society, Belgrade, Serbia, 2013.

45. Radovic, M., “Structure and properties of the MAX phases,” The Second Conference of The Serbian Ceramic Society, Belgrade, Serbia, 2013.
46. Westwick, M., ^G Lizcano, M., ^G and Radovic, M., “The Effects of Water Content and Chemical Composition on the Structure and Compressive Strength of K- and Na- activated Geopolymers,” 37th International Conference on Advanced Ceramics and Composites, Daytona Beach, FL, 2013.
47. Hu, L., ^G Kothalkar, A., Karaman, I., and Radovic, M., “Morphology Evolution and Phase Evaluation in MAX Phase – Shape Memory Alloy Interpenetrating Composites,” 37th International Conference on Advanced Ceramics and Composites, Daytona Beach, FL, 2013.
48. Kothalkar, A., Benitez, R., ^G Hu, L., ^G Karaman, I., and Radovic, M., “Thermo-mechanical Properties of Shape Memory Alloy (NiTi) and MAX (Ti₃SiC₂) Phase Composites”, 37th International Conference on Advanced Ceramics and Composites, Daytona Beach, FL, 2013.
49. Gao, P., ^G Westwick, M., ^U Ali, T., ^U and Radovic, M., “A Study of the Anelastic Relaxation of Defect Complexes in Oxide Ceramics by Resonant Ultrasound Spectroscopy,” 37th International Conference on Advanced Ceramics and Composites, Daytona Beach, FL, 2013.
50. Kothalkar, A., Lester, B.T., Hu, L., ^G Radovic, M., Karaman, I., and Lagoudas, D.C., “Experimental and Numerical Characterization of Hybrid Shape Memory Alloy (SMA) – MAX Phase Composites,” TMS 2013 142nd Annual Meeting and Exhibition, San Antonio, Texas, 2013.
51. Hu, L., ^G Kothalkar, A., Karaman, I., Proust, G., Radovic, M., “Morphology Evolution and Phase Evaluation in Shape Memory Alloy/MAX Phase Composites,” TMS 2013 142nd Annual Meeting and Exhibition, San Antonio, Texas, 2013.
52. Hu, L., ^G Kothalkar, A., Basu, S., ^{PD} Schaff, F., ^U Karaman, I., and Radovic, M., "Processing and Characterization of NiTi-Ti₃SiC₂ Composite Prepared by Spark Plasma Sintering", 2012 TMS Meeting, Orlando, FL, 2012.
53. Hu, L., ^G Benitez, R., ^G Karaman, I., and Radovic, M., "Development of porous Ti₂AlC with controlled porosity and pore size", Materials Science & Technology 2012 (MS&T 2012), Pittsburgh, PA, 2012.
54. Hu, L., ^G Kothalkar, A., Basu, S., ^{PD} Schaff, F., ^U Karaman, I., and Radovic, M., “Processing and Characterization of NiTi-Ti₃SiC₂ Composite Prepared by Spark Plasma Sintering”, 2012 TMS Meeting, Orlando, FL, 2012.
55. Jeon, K., ^G Basu, S., ^{PD} Schaff, F., ^U Barsoum, M., and Radovic, M., “Processing and Mechanical Properties of Ti₂AlC Reinforced with Alumina Fibers”, 36th International Conference on Advanced Ceramics and Composites, Daytona Beach, FL, 2012
56. Hu, L., ^G Basu, S., Benitez, R., ^G Karaman, I., and Radovic, M., “Effects of Porosity and Pore Size on Room Temperature Thermal Conductivity and Mechanical Properties of Porous Ti₂AlC”, 36th International Conference on Advanced Ceramics and Composites, Daytona Beach, FL, 2012.
57. Aboutula, S., Basu, S., ^{PD} Radovic, M., and Shukla, A., “High Strain Rate Deformation Behavior of Nanolaminated Titanium Aluminum Carbide,” 36th International Conference on Advanced Ceramics and Composites, Daytona Beach, FL, 2012.
58. Lizcano, M., ^G and Radovic, M., “On the Effects of Water Content and Si/Al on the Structure and Properties of Geopolymers,” 36th International Conference on Advanced Ceramics and Composites, Daytona Beach, FL, 2012.
59. Kothalkar, A., Basu, S., ^{PD} Mchaffey, P., ^U Karaman, I., and Radovic, M., “Interfacial study between Ti₃SiC₂ and NiTi Shape Memory Alloy via Diffusion Bonding,” 36th International Conference on Advanced Ceramics and Composites, Daytona Beach, FL, 2012.
60. Kothalkar, A., Hu, L., ^G Basu, S., ^{PD} Schaff, F., ^U Karaman, I., and Radovic, M., “Study of NiTi-MAX Phase Composites Prepared via Spark Plasma Sintering,” 36th International Conference on Advanced Ceramics and Composites, Daytona Beach, FL, 2012.
61. Gudlur, P., ^G Forness, A., ^U Lentz, J., ^U Radovic, M., Muliana, A., “Thermal and Mechanical Properties of Al/Al₂O₃ Composites at Elevated Temperatures”, ASME 2011 International Mechanical Engineering Congress and Exposition, Denver, CO, 2011.
62. Kothalkar, A., Ozeydin, M.F., Basu, S., ^{PD} Razzavi, S.M., Radovic, M., and Karaman, I., “Processing and Structural Characterization of MAX- phase/metal Composites,” ASME 2011 International Mechanical Engineering Congress and Exposition, Denver, CO, 2011.

63. Hu, L.,^G Kothalkar, A., Benitez, R.,^G Basu, S.,^{PD} Karaman, I., and Radovic, M., “Processing and Structural Characterization of MAX- phase/metal Composites,” ASME 2011 International Mechanical Engineering Congress and Exposition, Denver, CO, 2011.
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CV submitted is current and correct as of the date of signature.



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