

List of selected presentations:

1. M.K. Zakaryan, K.T. Nazaretyan, S.V. Aydinyan, S.L. Kharatyan, Joint Reduction of NiO+WO₃ Oxides by Combined Mg/C Reducer. Synergetic Effect, XV Int. Symposium on SHS, September 16-20, 2019, **Moscow, Russia**, pp. 546-548, DOI: 10.24411/9999-0014A-2019-10198
2. M.K. Zakaryan, A.A. Baldryan, S.L. Kharatyan, W-Ag Nanocomposite Preparation by Combining SCS and SHS, XV Int. Symposium on SHS, September 16-20, 2019, **Moscow, Russia**, pp. 543-545, DOI: 10.24411/9999-0014A-2019-10197
3. T. Minasyan, H. Kirakosyan, S. Aydinyan, L. Liu, I. Hussainova, S. Kharatyan, Synthesis and Consolidation of Mo-Cu Composite Nanopowder, EPNM-2018, May 14-18, 2018, **Saint Petersburg, Russia**, pp. 151-153
4. T. Minasyan, S. Aydinyan, L. Liu, S. Cygan, I. Hussainova, Sintering Behavior of ZrC-TiC-MoSi₂ Ceramic Composite, EPNM-2018, May 14-18, 2018, **Saint Petersburg, Russia**, pp. 148-150
5. M. Zakaryan, S. Aydinyan, S. Kharatyan, Synthesis of Ni-W nanopowders from oxide and salt precursors in combustion mode by using thermo kinetic coupling approach, EPNM-2018, May 14-18, 2018, **Saint Petersburg, Russia**, pp. 298-300
6. H. Kirakosyan, K. Nazaretyan, S. Aydinyan, M. Tumanyan, S. Kharatyan, A new synthesis pathway for molybdenum carbide nanopowder by solution combustion, The Int. Conf. Dedicated to the 50th Anniversary of SHS (SHS-50), November 20-21, 2017, **Chernogolovka, Russia**, pp.35-36
7. M.K. Zakaryan, S.L. Kharatyan, Combustion Synthesis of Ni-W Composite Nanopowders from Oxide Precursors, XIV Int. Symposium on SHS, September 25-28, 2017, **Tbilisi, Georgia**, pp. 318-319
8. S. Aydinyan, S. Kharatyan, The Mechanism of WO₃(MoO₃) & CuO Coreduction by Combined Mg/C Reducer at Non Isothermal Conditions, XIV Int. Symposium on SHS, September 25-28, 2017, **Tbilisi, Georgia**, pp. 45-47
9. K. Nazaretyan, H. Kirakosyan, S. Aydinyan, S. Kharatyan, Nanosized molybdenum carbide synthesized by solution combustion synthesis with subsequent thermal treatment, XIV Int. Symposium on SHS, September 25-28, 2017, **Tbilisi, Georgia**, pp. 175-176
10. T.T. Minasyan, S.V. Aydinyan, S.L. Kharatyan, Selective Laser Melting of Combustion Synthesized 2Mo-Cu and 3Cu-Mo Composites, XIV Int. Symposium on SHS, September 25-28, 2017, **Tbilisi, Georgia**, p. 155-156.
11. K. Nazaretyan, H. Kirakosyan, S. Aydinyan, S. Kharatyan, Preparation of Nanosize Mo₂C by Combining Solution Combustion Synthesis with Subsequent Fast Heating, JTACC+V4 Conference, June 6-9, 2017, **Budapest, Hungary**, p. 58
12. S. Aydinyan, T. Minasyan, H. Kirakosyan, M. Aghayan, I. Hussainova, S. Kharatyan, Fabrication of Cu-Mo composites combining SHS and SLS technologies, ECerS2017, July 9-13, 2017, **Budapest, Hungary**.
13. S.L. Kharatyan, High Speed Temperature Scanner (HSTS) for Non-Isothermal Kinetic Studies, III Int. Conf. Nonisothermal Phenomena & Processes: from Thermal Explosion Theory to Structural Macrokinetics, November 28-30, 2016, **Chernogolovka, Russia**, pp. 22-23
14. S.V. Aydinyan, H.V. Kirakosyan, S.L. Kharatyan, A. Peikrishvili, G. Mamniashvili, B. Godibadze, E.Sh. Chagelishvili, D.R. Lesuer, M. Gutierrez, Synthesis and Fabrication of Cu-W Composites Combining SHS and HEC Technologies, EPNM-2016, June 6-10, 2016, **Coimbra, Portugal**
15. Kirakosyan H.V., Abovyan L., Aydinyan S.V., Kharatyan S.L., Godibadze B.A., Mamniashvili G.I., Peikrishvili A.B., Preparation of W-Cu composite powder from salt precursors by SHS, Chemistry today-2016, September 18-21, **Tbilisi, Georgia**, pp. 42-44

16. Zakaryan M.K., Kirakosyan H.V., Aydinyan S.V., Kharatyan S.L., Godibadze B.A., Mamniashvili G.I., Peikrishvili A.B., Combustion synthesis of 2W-Cu & W-3Cu composite nanopowders from oxide precursors, Chemistry today-2016, September 18-21, **Tbilisi, Georgia**, pp. 30-3318
17. Kirakosyan H., Minasyan T., Aydinyan S., Kharatyan S., Combustion synthesis of Cu-Mo and Cu-W pseudoalloys from various precursors, ECERS 2015, June 21-25, 2015, **Toledo, Spain**, 2261
18. Zakaryan M., Aydinyan S., Zulumyan N., Kharatyan S., Magnesiothermic Reduction of Silica Obtained from Serpentine Mineral and Preparation of Fine Silicon Powder, ECERS 2015, June 21-25, 2015, **Toledo, Spain**, 2260
19. S.V. Aydinyan, S.L. Kharatyan, Combustion Synthesis of Copper - Refractory Metal Composites by Co-Reduction Approach, CIMTEC-2014, 8-13 June, 2014, **Montecatini Terme, Italy**
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21. S.V. Aydinyan, Kh.V. Manukyan, S.L. Kharatyan, The role of NH₄F on the magnesiothermic reduction of Na₂MoO₄, XII Int. Symposium on SHS, 21-24 October 2013, **South Padre Island, TX, USA**, pp. 96-97
22. S.V. Aydinyan, Kh.V. Manukyan, S.L. Kharatyan, Combustion Synthesis of Mo-Cu Nanocomposites by Co-reduction of Molybdenum and Copper Oxides, XII Int.Symposium on SHS, October 21-24, 2013, **South Padre Island, TX, USA**, pp. 100-101
23. A.G. Avetisyan, H.A. Chatilyan, S.L. Kharatyan, Kinetics of Nickel Oxide Reduction by Hydrogen and Methane, XII Int. Symposium on SHS, October 21-24, 2013, **South Padre Island, TX, USA**, pp.51-52
24. K.G. Kirakosyan, S.L. Kharatyan, MoO₃/MoS₂ Co-Reduction by Combined Mg/Zn Reducers, XII Int. Symposium on SHS, October 21-24, 2013, **South Padre Island, TX, USA**, pp.110-111
25. S.L. Kharatyan, Reactive diffusion in multiphase binary systems: theory and experiment, Int. Conference on Nonisothermal phenomena and Processes: From Thermal Explosion Theory to Structural Macrokinetics, November 27-30, 2011, **Chernogolovka, Russia**, pp.64-65
26. S.L. Kharatyan, A.G. Merzhanov, Coupling reactions in SHS. New possibilities for materials synthesis, XI Int. Symposium on SHS, September 5-9, 2011, Anavyssos, **Attica, Greece**, p.153.
27. S.V. Aydinyan, A.A. Aghajanyan, Kh.V. Manukyan, E.G. Grigoryan, O.M. Niazyan, S.L. Kharatyan, Phase formation mechanism in the molybdenum oxide reduction by Mg+C mixture, XI Int. Symposium on SHS, September 5-9, 2011, **Anavyssos, Attica, Greece**, pp. 98-99
28. S.L. Kharatyan, Regulation of crystallites size in ceramic SHS, CIMTEC 2010, June 6-11, 2010, **Montecatini Term, Italy**, p.41
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32. K.G. Kirakosyan, A.V. Eghishyan, K.V. Asatryan, K.V. Manukyan, S.L. Kharatyan, Combustion synthesis of molybdenum disilicide below the melting point of silicon, 9-th Int. Symposium on SHS, **Dijon, France**, July 1-5, 2007, T3-09
33. S.L. Kharatyan, H.A. Chatilyan, Growth kinetics of silicide layers in the Si/Mo diffusion couple, 9th Int. Symposium on SHS, **Dijon, France**, July 1-5, 2007, T1-09
34. M.A. Hambartsumyan, H.L. Khachatryan, S.L. Kharatyan, Mechanically and chemically activated SHS in the Mo-Si-C system, 9th Int. Symposium on SHS, **Dijon, France**, July 1-5, 2007, T5-13
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36. S.L. Kharatyan, Kinetics of SHS reactions and current state of electrothermography, (plenary lecture), 8th Int. Symposium on SHS, **Cagliari, Italy**, June 21-24, 2005, pp.87-88
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39. S.L. Kharatyan, H.A. Chatilyan, A.S. Mukasyan, A. Varma, Influence of heating rate on kinetics of rapid high-temperature reactions in condensed heterogeneous systems, 7th Int. Symposium on SHS, **Crakow, Poland**, 2003, p.61
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