# A R Karagozian

List of Publications by Year
in descending order

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|---|---|---|---|
| 38 papers | 1,526 citations | 361388 20 h-index | 330122 37 g-index |
| 38 all docs | 38 docs citations | 38 times ranked | 561 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Structural and stability characteristics of jets in crossflow â€“ CORRIGENDUM. Journal of Fluid Mechanics, 2020, 890, . | 3.4 | 0 |
| 2 | Influence of the velocity field on scalar transport in gaseous transverse jets. Journal of Fluid Mechanics, 2018, 834, 173-219. | 3.4 | 23 |
| 3 | Transverse jet mixing characteristics. Journal of Fluid Mechanics, 2016, 790, 237-274. | 3.4 | 43 |
| 4 | Structural and stability characteristics of jets in crossflow. Journal of Fluid Mechanics, 2014, 760, 342-367. | 3.4 | 59 |
| 5 | Stability of Flame-Shock Coupling in Detonation Waves: 1D Dynamics. Combustion Science and Technology, 2012, 184, 1502-1525. | 2.3 | 12 |
| 6 | Transition to global instability in transverse-jet shear layers. Journal of Fluid Mechanics, 2010, 661, 294-315. | 3.4 | 56 |
| 7 | Strategic Control of Transverse Jet Shear Layer Instabilities. AIAA Journal, 2010, 48, 2145-2156. | 2.6 | 43 |
| 8 | Transverse-jet shear-layer instabilities. Part 1. Experimental studies. Journal of Fluid Mechanics, 2007, 593, 93-129. | 3.4 | 138 |
| 9 | Optimization of Controlled Jets in Crossflow. AIAA Journal, 2006, 44, 1292-1298. | 2.6 | 72 |
| 10 | Pulse-Detonation-Engine Simulations with Alternative Geometries and Reaction Kinetics. Journal of Propulsion and Power, 2006, 22, 852-861. | 2.2 | 19 |
| 11 | Control of Mixing and Reactive Flow Processes. Lecture Notes in Control and Information Sciences, 2006, , 75-94. | 1.0 | 3 |
| 12 | Passive Fuel-Air Mixing and Emissions Control Via Lobed Injectors. AIAA Journal, 2004, 42, 61-69. | 2.6 | 14 |
| 13 | Numerical Simulation of Pulse Detonation Engine Phenomena. Journal of Scientific Computing, 2003, 19, 201-224. | 2.3 | 29 |
| 14 | Passive Mixing Control via Lobed Injectors in High-Speed Flow. AIAA Journal, 2003, 41, 623-632. | 2.6 | 13 |
| 15 | The actively controlled jet in crossflow. Journal of Fluid Mechanics, 2002, 452, 325-335. | 3.4 | 152 |
| 16 | On the formation of the counter-rotating vortex pair in transverse jets. Journal of Fluid Mechanics, 2001, 446, 347-373. | 3.4 | 233 |
| 17 | Numerical resolution of pulsating detonation waves. Combustion Theory and Modelling, 2000, 4, 217-240. | 1.9 | 61 |
| 18 | Numerical simulations of a lobed fuel injector. Physics of Fluids, 1998, 10, 2950-2964. | 4.0 | 20 |

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|---|---|---|---|
| 19 | Transport Enhancement in Acoustically Excited Cavity Flows, Part 2: Reactive Flow Diagnostics. AIAA Journal, 1998, 36, 1568-1574. | 2.6 | 10 |
| 20 | Transport Enhancement in Acoustically Excited Cavity Flows, Part 1: Nonreactive Flow Diagnostics. AIAA Journal, 1998, 36, 1562-1567. | 2.6 | 7 |
| 21 | Ignition, Burning and Extinction of a Strained Fuel Strip with Complex Kinetics. Combustion Science and Technology, 1998, 131, 251-276. | 2.3 | 15 |
| 22 | Mixing enhancement in a lobed injector. Physics of Fluids, 1997, 9, 667-678. | 4.0 | 52 |
| 23 | Transverse gas jet injection behind a rearward-facing step. Journal of Propulsion and Power, 1996, 12, 1129-1136. | 2.2 | 33 |
| 24 | In-flight imaging of transverse gas jets injected into compressible crossflows. AIAA Journal, 1995, 33, 2259-2263. | 2.6 | 21 |
| 25 | Acoustic Alteration in a Dump Combustor Arising from Halon Addition. Combustion Science and Technology, 1993, 94, 469-481. | 2.3 | 10 |
| 26 | Breakup of a liquid jet in supersonic crossflow. AIAA Journal, 1992, 30, 1919-1921. | 2.6 | 18 |
| 27 | Liquid fuel jet in subsonic crossflow. Journal of Propulsion and Power, 1992, 8, 21-29. | 2.2 | 52 |
| 28 | Vortex modeling of gaseous jets in a compressible crossflow. Journal of Propulsion and Power, 1990, 6, 85-92. | 2.2 | 13 |
| 29 | Gaseous jet in supersonic crossflow. AIAA Journal, 1990, 28, 819-827. | 2.6 | 23 |
| 30 | The compressible vortex pair. Journal of Fluid Mechanics, 1990, 220, 339-354. | 3.4 | 15 |
| 31 | Modeling of liquid jets injected transversely into a supersonic crossflow. AIAA Journal, 1989, 27, 1727-1734. | 2.6 | 30 |
| 32 | Experimental Studies in Vortex Pair Motion Coincident with a Liquid Reaction. Lecture Notes in Engineering, 1989, , 340-372. | 0.1 | 1 |
| 33 | Effects of Heat Release on Diffusion Flame-Vortex Pair Interactions. Combustion Science and Technology, 1988, 61, 101-119. | 2.3 | 16 |
| 34 | Experimental studies in vortex pair motion coincident with a liquid reaction. Physics of Fluids, 1988, 31, 1862. | 1.4 | 19 |
| 35 | An analytical model for the vorticity associated with a transverse jet. AIAA Journal, 1986, 24, 429-436. | 2.6 | 109 |
| 36 | Vortex modeling of single and multiple dilution jet mixing in a cross flow. Journal of Propulsion and Power, 1986, 2, 354-360. | 2.2 | 12 |

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|---|---|---|---|
| 37 | The flame structure and vorticity generated by a chemically reactingtransverse jet. AIAA Journal, 1986, 24, 1502-1507. | 2.6 | 40 |
| 38 | Flame Structure and Fuel Consumption in the Field of a Vortex Pair. Combustion Science and Technology, 1986, 49, 185-200. | 2.3 | 40 |