Felix M Sharipov

List of Publications by Citations

152 papers	4,254 citations	37 h-index	59 g-index
169 ext. papers	4,777 ext. citations	3.1 avg, IF	6.14 L-index

#	Paper	IF	Citations
152	Data on Internal Rarefied Gas Flows. *Journal of Physical and Chemical Reference Data*, **1998**, 27, 657-706	4.3	566
151	Data on the Velocity Slip and Temperature Jump on a Gas-Solid Interface. *Journal of Physical and Chemical Reference Data*, **2011**, 40, 023101	4.3	130
150	Rarefied gas flow through a long rectangular channel. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1999**, 17, 3062-3066	2.9	122
149	Application of the Cercignani–Lampis scattering kernel to calculations of rarefied gas flows. II. Slip and jump coefficients. *European Journal of Mechanics, B/Fluids*, **2003**, 22, 133-143	2.4	110
148	Non-isothermal gas flow through rectangular microchannels. *Journal of Micromechanics and Microengineering*, **1999**, 9, 394-401	2	95
147	Velocity slip and temperature jump coefficients for gaseous mixtures. I. Viscous slip coefficient. *Physics of Fluids*, **2003**, 15, 1800	4.4	85
146	Gaseous mixture flow through a long tube at arbitrary Knudsen numbers. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2002**, 20, 814-822	2.9	79
145	Rarefied gas flow through a long tube at any pressure ratio. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1994**, 12, 2933-2935	2.9	78
144	Numerical simulation of rarefied gas flow through a thin orifice. *Journal of Fluid Mechanics*, **2004**, 518, 35-60	3.7	76
143	Rarefied gas flow through a long tube at any temperature ratio. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1996**, 14, 2627-2635	2.9	76
142	Rarefied gas flow through short tubes into vacuum. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2008**, 26, 228-238	2.9	75
141	Application of the Cercignani–Lampis scattering kernel to calculations of rarefied gas flows. I. Plane flow between two parallel plates. *European Journal of Mechanics, B/Fluids*, **2002**, 21, 113-123	2.4	74
140	Onsager-Casimir reciprocity relations for open gaseous systems at arbitrary rarefaction. *Physica A: Statistical Mechanics and Its Applications*, **1994**, 203, 437-456	3.3	72
139	Flow of gaseous mixtures through rectangular microchannels driven by pressure, temperature, and concentration gradients. *Physics of Fluids*, **2005**, 17, 100607	4.4	69
138	Gas flow through an elliptical tube over the whole range of the gas rarefaction. *European Journal of Mechanics, B/Fluids*, **2008**, 27, 335-345	2.4	67
137	Gaseous mixture flow between two parallel plates in the whole range of the gas rarefaction. *Physica A: Statistical Mechanics and Its Applications*, **2004**, 336, 294-318	3.3	64
136	Application of the Cercignani–Lampis scattering kernel to calculations of rarefied gas flows. III. Poiseuille flow and thermal creep through a long tube. *European Journal of Mechanics, B/Fluids*, **2003**, 22, 145-154	2.4	62

135	Onsager-Casimir reciprocity relations for open gaseous systems at arbitrary rarefraction: II. Application of the theory for single gas. *Physica A: Statistical Mechanics and Its Applications*, **1994**, 203, 457-485	3.3	62
134	Oscillatory Couette flow at arbitrary oscillation frequency over the whole range of the Knudsen number. *Microfluidics and Nanofluidics*, **2008**, 4, 363-374	2.8	59
133	Model equations in rarefied gas dynamics: Viscous-slip and thermal-slip coefficients. *Physics of Fluids*, **2002**, 14, 4123-4129	4.4	58
132	Accommodation coefficient of tangential momentum on atomically clean and contaminated surfaces. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2001**, 19, 2499-2503	2.9	57
131	Monitoring of the operating parameters of the KATRIN Windowless Gaseous Tritium Source. *New Journal of Physics*, **2012**, 14, 103046	2.9	56
130	Simulation of gas flow through tubes of finite length over the whole range of rarefaction for various pressure drop ratios. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2009**, 27, 1377-1391	2.9	56
129	Poiseuille flow and thermal creep based on the Boltzmann equation with the Lennard-Jones potential over a wide range of the Knudsen number. *Physics of Fluids*, **2009**, 21, 067101	4.4	54
128	Numerical solution of the linearized Boltzmann equation for an arbitrary intermolecular potential. *Journal of Computational Physics*, **2009**, 228, 3345-3357	4.1	49
127	Velocity slip and temperature jump coefficients for gaseous mixtures. II. Thermal slip coefficient. *Physics of Fluids*, **2004**, 16, 759-764	4.4	49
126	Couette flow with slip and jump boundary conditions. *Continuum Mechanics and Thermodynamics*, **2000**, 12, 379-386	3.5	48
125	The temperature jump at water–air interface during evaporation. *International Journal of Heat and Mass Transfer*, **2017**, 104, 800-812	4.9	46
124	Discrete velocity modelling of gaseous mixture flows in MEMS. *Superlattices and Microstructures*, **2004**, 35, 629-643	2.8	44
123	Evaluating the potential of superhydrophobic nanoporous alumina membranes for direct contact membrane distillation. *Journal of Colloid and Interface Science*, **2019**, 533, 723-732	9.3	42
122	Rarefied gas flow through a long tube at arbitrary pressure and temperature drops. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1997**, 15, 2434-2436	2.9	42
121	Heat transfer through a rarefied gas confined between two coaxial cylinders with high radius ratio. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2006**, 24, 2087-2093	2.9	42
120	Benchmark problems for mixtures of rarefied gases. I. Couette flow. *Physics of Fluids*, **2013**, 25, 027101	4.4	40
119	Velocity slip and temperature jump coefficients for gaseous mixtures. IV. Temperature jump coefficient. *International Journal of Heat and Mass Transfer*, **2005**, 48, 1076-1083	4.9	40
118	Benchmark problems in rarefied gas dynamics. *Vacuum*, **2012**, 86, 1697-1700	3.7	39

117	Non-isothermal flow of rarefied gas through a long pipe with elliptic cross section. *Microfluidics and Nanofluidics*, **2009**, 6, 267-275	2.8	37
116	Velocity slip and temperature jump coefficients for gaseous mixtures. III. Diffusion slip coefficient. *Physics of Fluids*, **2004**, 16, 3779-3785	4.4	37
115	On optimization of the discrete velocity method used in rarefied gas dynamics. *Zeitschrift Fur Angewandte Mathematik Und Physik*, **1993**, 44, 572-577	1.6	37
114	Direct simulation Monte Carlo method for an arbitrary intermolecular potential. *Physics of Fluids*, **2012**, 24, 011703	4.4	36
113	Rarefied gas flow through a slit. Influence of the boundary condition. *Physics of Fluids*, **1996**, 8, 262-268	4.4	36
112	Sound propagation through a rarefied gas confined between source and receptor at arbitrary Knudsen number and sound frequency. *Physics of Fluids*, **2009**, 21, 103601	4.4	34
111	Rarefied gas flow through a long tube of variable radius. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2005**, 23, 531-533	2.9	34
110	Gas flow near a plate oscillating longitudinally with an arbitrary frequency. *Physics of Fluids*, **2007**, 19, 017110	4.4	31
109	Onsager-Casimir reciprocity relations for open gaseous systems at arbitrary rarefaction III. Theory and its application for gaseous mixtures. *Physica A: Statistical Mechanics and Its Applications*, **1994**, 209, 457-476	3.3	31
108	Plane Couette flow of binary gaseous mixture in the whole range of the Knudsen number. *European Journal of Mechanics, B/Fluids*, **2004**, 23, 899-906	2.4	30
107	Numerical modeling of the Holweck pump. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2005**, 23, 1331-1339	2.9	30
106	Heat flux between parallel plates through a binary gaseous mixture over the whole range of the Knudsen number. *Physica A: Statistical Mechanics and Its Applications*, **2007**, 378, 183-193	3.3	29
105	Onsager-Casimir reciprocal relations based on the Boltzmann equation and gas-surface interaction: single gas. *Physical Review E*, **2006**, 73, 026110	2.4	29
104	Ab initio simulation of heat transfer through a mixture of rarefied gases. *International Journal of Heat and Mass Transfer*, **2014**, 71, 91-97	4.9	28
103	Transient flow of rarefied gas through a short tube. *Vacuum*, **2013**, 90, 25-30	3.7	28
102	Rarefied gas flow through a thin slit into vacuum simulated by the Monte Carlo method over the whole range of the Knudsen number. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2009**, 27, 479-484	2.9	28
101	General approach to transient flows of rarefied gases through long capillaries. *Vacuum*, **2014**, 100, 22-25	3.7	27
100	Ab initio simulation of transport phenomena in rarefied gases. *Physical Review E*, **2012**, 86, 031130	2.4	26

99	Gaseous mixture slit flow at intermediate Knudsen numbers. *Physics of Fluids A, Fluid Dynamics*, **1992**, 4, 1283-1289		26
98	Numerical modeling of rarefied gas flow through a slit into vacuum based on the kinetic equation. *Computers and Fluids*, **2011**, 49, 87-92	2.8	25
97	Non-isothermal couette flow of a rarefied gas between two rotating cylinders. *European Journal of Mechanics, B/Fluids*, **1999**, 18, 121-130	2.4	25
96	Gaseous mixtures in vacuum systems and microfluidics. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2013**, 31, 050806	2.9	24
95	Rarefied gas flow through a thin slit at an arbitrary pressure ratio. *European Journal of Mechanics, B/Fluids*, **2011**, 30, 543-549	2.4	24
94	Separation phenomena for gaseous mixture flowing through a long tube into vacuum. *Physics of Fluids*, **2005**, 17, 127102	4.4	24
93	Rarefied gas flow through channels of finite length at various pressure ratios. *Vacuum*, **2012**, 86, 1952-1959	3.7	23
92	Free molecular sound propagation. *Journal of the Acoustical Society of America*, **2002**, 112, 395-401	2.2	23
91	Rarefied gas flow through a zigzag channel. *Vacuum*, **2012**, 86, 1778-1782	3.7	22
90	The temperature and pressure jumps at the vapor–liquid interface: Application to a two-phase cooling system. *International Journal of Heat and Mass Transfer*, **2015**, 83, 235-243	4.9	20
89	On the frame dependence of constitutive equations. I. Heat transfer through a rarefied gas between two rotating cylinders. *Continuum Mechanics and Thermodynamics*, **1995**, 7, 57-72	3.5	20
88	Transport coefficients of helium-neon mixtures at low density computed from ab initio potentials. *Journal of Chemical Physics*, **2017**, 147, 224302	3.9	19
87	Numerical modeling of the sound propagation through a rarefied gas in a semi-infinite space on the basis of linearized kinetic equation. *Journal of the Acoustical Society of America*, **2008**, 124, 1993-2001	2.2	19
86	Application of the integro-moment method to steady-state two-dimensional rarefied gas flows subject to boundary induced discontinuities. *Journal of Computational Physics*, **2008**, 227, 6272-6287	4.1	19
85	Monte Carlo simulation of gas flow through the KATRIN DPS2-F differential pumping system. *Vacuum*, **2006**, 80, 864-869	3.7	19
84	Heat transfer in the Knudsen layer. *Physical Review E*, **2004**, 69, 061201	2.4	19
83	Ab initio simulation of rarefied gas flow through a thin orifice. *Vacuum*, **2014**, 109, 246-252	3.7	18
82	End corrections for rarefied gas flows through capillaries of finite length. *Vacuum*, **2013**, 97, 26-29	3.7	17

81	Transient flow of rarefied gas through an orifice. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2012**, 30, 021602	2.9	17
80	Non-isothermal rarefied gas flow through a slit. *Physics of Fluids*, **1997**, 9, 1804-1810	4.4	17
79	Rarefied Gas Flow into Vacuum Through Thin Orifice: Influence of Boundary Conditions. *AIAA Journal*, **2002**, 40, 2006-2008	2.1	17
78	Transport coefficients of helium-argon mixture based on ab initio potential. *Journal of Chemical Physics*, **2015**, 143, 154104	3.9	16
77	Nonlinear Couette flow between two rotating cylinders. *Transport Theory and Statistical Physics*, **1996**, 25, 217-229		16
76	Sound propagation through a binary mixture of rarefied gases at arbitrary sound frequency. *European Journal of Mechanics, B/Fluids*, **2016**, 57, 50-63	2.4	15
75	Heat conduction through a rarefied gas between two rotating cylinders at small temperature difference. *Zeitschrift Fur Angewandte Mathematik Und Physik*, **1995**, 46, 680-692	1.6	15
74	Ab initio simulation of gaseous mixture flow through an orifice. *Vacuum*, **2017**, 143, 106-118	3.7	15
73	End corrections for rarefied gas flows through circular tubes of finite length. *Vacuum*, **2014**, 101, 306-312	3.7	14
72	Sound propagation through a rarefied gas. Influence of the gas□urface interaction. *International Journal of Heat and Fluid Flow*, **2012**, 38, 190-199	2.4	14
71	Energy accommodation coefficient extracted from acoustic resonator experiments. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2016**, 34,	2.9	14
70	Hypersonic flow of rarefied gas near the Brazilian satellite during its reentry into atmosphere. *Brazilian Journal of Physics*, **2003**, 33, 398-405	1.2	13
69	Primary pressure standard based on piston-cylinder assemblies. Calculation of effective cross sectional area based on rarefied gas dynamics. *Metrologia*, **2016**, 53, 1177-1184	2.1	12
68	Numerical modelling of rarefied gas flow through a slit at arbitrary pressure ratio based on the kinetic equation. *Zeitschrift Fur Angewandte Mathematik Und Physik*, **2012**, 63, 503-520	1.6	12
67	Onsager-Casimir Reciprocal Relations Based on the Boltzmann Equation and Gas-Surface Interaction. Gaseous Mixtures. *Journal of Statistical Physics*, **2006**, 125, 661-675	1.5	12
66	Transport phenomena in rotating rarefied gases. *Physics of Fluids*, **2001**, 13, 335-346	4.4	12
65	Numerical modelling of thermoacoustic waves in a rarefied gas confined between coaxial cylinders. *Vacuum*, **2014**, 109, 326-332	3.7	11
64	Flows of rarefied gaseous mixtures with a low mole fraction. Separation phenomenon. *European Journal of Mechanics, B/Fluids*, **2011**, 30, 466-473	2.4	11

63	Temperature dependence of shock wave structure in helium and neon. *Physics of Fluids*, **2019**, 31, 037102	4.4	10
62	Influence of gas-surface interaction on gaseous transmission probability through conical and spherical ducts. *Vacuum*, **2015**, 121, 22-25	3.7	10
61	Modeling of transport phenomena in gases based on quantum scattering. *Physica A: Statistical Mechanics and Its Applications*, **2018**, 508, 797-805	3.3	10
60	Reciprocal relations based on the non-stationary Boltzmann equation. *Physica A: Statistical Mechanics and Its Applications*, **2012**, 391, 1972-1983	3.3	10
59	Sound waves in gaseous mixtures induced by vibro-thermal excitation at arbitrary rarefaction and sound frequency. *Vacuum*, **2019**, 159, 82-98	3.7	10
58	Ab initio simulation of planar shock waves. *Computers and Fluids*, **2017**, 150, 115-122	2.8	9
57	Transport coefficients of argon and its mixtures with helium and neon at low density based ab initio potentials. *Fluid Phase Equilibria*, **2019**, 498, 23-32	2.5	9
56	Influence of quantum intermolecular interaction on internal flows of rarefied gases. *Vacuum*, **2018**, 156, 146-153	3.7	9
55	Flow of a monatomic rarefied gas over a circular cylinder: Calculations based on the ab initio potential method. *International Journal of Heat and Mass Transfer*, **2017**, 114, 47-61	4.9	9
54	Leak rate of water into vacuum through microtubes. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2010**, 28, 443-448	2.9	9
53	Tritium gas flow dynamics through the source and transport system of the Karlsruhe tritium neutrino experiment. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2009**, 27, 73-81	2.9	9
52	Onsager-Casimir reciprocity relation for the gyrothermal effect with polyatomic gases. *Physical Review E*, **1999**, 59, 5128-32	2.4	9
51	Numerical simulation of turbomolecular pump over a wide range of gas rarefaction. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2010**, 28, 1312-1315	2.9	8
50	Rarefied gas flow between two cylinders caused by the evaporation and condensation on their surfaces. *Physics of Fluids*, **1998**, 10, 3203-3208	4.4	8
49	Modelling of gas dynamical properties of the Katrin tritium source and implications for the neutrino mass measurement. *Vacuum*, **2018**, 158, 195-205	3.7	8
48	Ab initio calculation of rarefied flows of helium-neon mixture: Classical vs quantum scatterings. *International Journal of Heat and Mass Transfer*, **2019**, 145, 118765	4.9	7
47	On the discrete spectrum of the nonanalytic matrix-valued Friedrichs model. *Functional Analysis and Its Applications*, **1998**, 32, 49-51	0.4	7
46	Onsager-Casimir reciprocity relations for open gaseous systems at arbitrary rarefaction IV. Rotating systems. *Physica A: Statistical Mechanics and Its Applications*, **1998**, 260, 499-509	3.3	7

45	Rarefied gas motion in a short planar channel over the entire knudsen number range. *Journal of Applied Mechanics and Technical Physics*, **1990**, 30, 713-717	0.6	7
44	Drag and thermophoresis on a sphere in a rarefied gas based on the Cercignani□ampis model of gas□urface interaction. *Journal of Fluid Mechanics*, **2020**, 900,	3.7	6
43	The reciprocal relations between cross phenomena in boundless gaseous systems. *Physica A: Statistical Mechanics and Its Applications*, **2010**, 389, 3743-3760	3.3	5
42	Data on the velocity slip and temperature jump coefficients [gas mass, heat and momentum transfer]		5
41	THE INFLUENCE OF SLIP AND JUMP BOUNDARY CONDITIONS ON THE CYLINDRICAL COUETTE FLOW. *Mathematical Models and Methods in Applied Sciences*, **2002**, 12, 445-459	3.5	5
40	Flow of a rarefied gas in a plane channel of finite length for a wide range of Knudsen numbers. *Journal of Applied Mechanics and Technical Physics*, **1988**, 29, 97-103	0.6	5
39	Neutral tritium gas reduction in the KATRIN differential pumping sections. *Vacuum*, **2021**, 184, 109979	3.7	5
38	Application of the Cercignani-Lampis scattering kernel to channel gas flows. *AIP Conference Proceedings*, **2001**,	0	4
37	Comparison of the Shakhov and ellipsoidal models for the Boltzmann equation and DSMC for ab initio-based particle interactions. *Computers and Fluids*, **2020**, 211, 104637	2.8	4
36	Transport coefficients of multi-component mixtures of noble gases based on ab initio potentials: Viscosity and thermal conductivity. *Physics of Fluids*, **2020**, 32, 077104	4.4	4
35	Aerothermodynamics of Satellite During Atmospheric Reentry for the Whole Range of Gas Rarefaction: Influence of Inelastic Intermolecular Collisions. *Brazilian Journal of Physics*, **2012**, 42, 192-206	1.2	3
34	Comment on □Note on the relation between thermophoresis and slow uniform flow problems for a rarefied gas□[Phys. Fluids 21, 112001 (2009)]. *Physics of Fluids*, **2010**, 22, 049101	4.4	3
33	Slip Coefficients for Gaseous Mixtures. *AIP Conference Proceedings*, **2003**,	0	3
32	Rarefied Gas Flow Through an Orifice at Finite Pressure Ratio. *AIP Conference Proceedings*, **2003**,	0	3
31	Short Communication. Comments on □On the Theory of Thermall Polarization of Bodies in a Rarefied Gas Flow□*Journal of Non-Equilibrium Thermodynamics*, **1996**, 21,	3.8	3
30	Experimental investigation of the separation of binary gaseous mixtures flowing through a capillary tube. *Physics of Fluids*, **2020**, 32, 112008	4.4	3
29	Analytical and Numerical Calculations of Rarefied Gas Flows **2016**, 167-228		3
28	Structure of planar shock waves in gaseous mixtures based on ab initio direct simulation. *European Journal of Mechanics, B/Fluids*, **2018**, 72, 251-263	2.4	3

27	Lattice Boltzmann approach to rarefied gas flows using half-range Gauss-Hermite quadratures: Comparison to DSMC results based on ab initio potentials **2019**,		2
26	Comments on Symmetry of the Linearized Boltzmann Equation by S. Takata. *Journal of Statistical Physics*, **2010**, 139, 536-537	1.5	2
25	Comments on Thechanodiffusion in slightly rarefied gas mixture *Physica A: Statistical Mechanics and Its Applications*, **1995**, 216, 249-254	3.3	2
24	Nonisothermal motion of a rarefied gas in a short planar channel over a wide range of knudsen number. *Journal of Engineering Physics*, **1990**, 59, 869-875		2
23	Evaluation of effective area of air piston gauge with limitations in pistonCylinder dimension measurements. *Metrologia*, **2021**, 58, 035004	2.1	2
22	Power-series expansion of the Boltzmann equation and reciprocal relations for nonlinear irreversible phenomena. *Physical Review E*, **2011**, 84, 061137	2.4	1
21	Nonisothermal rarefied gas flow through a narrow slit. *Fluid Dynamics*, **1991**, 25, 642-645	0.7	1
20	Transport coefficients of multicomponent mixtures of noble gases based on ab initio potentials: Diffusion coefficients and thermal diffusion factors. *Physics of Fluids*, **2020**, 32, 097110	4.4	1
19	Sublimation and deposition in gaseous mixtures. *International Journal of Heat and Mass Transfer*, **2020**, 160, 120213	4.9	1
18	The structure of shock waves propagating through heavy noble gases: temperature dependence. *Shock Waves*, **2020**, 1	1.6	1
17	Radiometric force on a sphere in a rarefied gas based on the CercignaniLampis model of gasSurface interaction. *Physics of Fluids*, **2021**, 33, 073602	4.4	1
16	Transport coefficients of isotopic mixtures of noble gases based on potentials. *Physical Chemistry Chemical Physics*, **2021**, 23, 16664-16674	3.6	0
15	Ab Initio Simulation of Shock Waves Propagating Through Gaseous Mixtures **2019**, 913-918		
14	Response to Comment on Data on Internal Rarefied Gas Flows [J. Phys. Chem. Ref. Data 44, 036101 (2015)]. *Journal of Physical and Chemical Reference Data*, **2015**, 44, 036102	4.3	
13	Response to Comment on Direct simulation Monte Carlo method for an arbitrary intermolecular potential [Phys. Fluids 25, 049101 (2013)]. *Physics of Fluids*, **2013**, 25, 089101	4.4	
12	Recent Results of Rarefied Gas Dynamics and Their Applications in Microflows **2005**, 393		
11	Onsager reciprocity relation for rarefied gas flow in a laser radiation field. *Fluid Dynamics*, **1991**, 26, 135-138	0.7	
10	Motion of a rarefied gas in a plane channel in the presence of condensation on the channel walls. *Journal of Engineering Physics*, **1989**, 57, 1420-1426		

9	Onsager reciprocal relationships for the motion of a rarified monatomic gas in an external field. *USSR Computational Mathematics and Mathematical Physics*, **1990**, 30, 226-231	
8	Mass transfer in a plane finite pore on a broad interval of Knudsen numbers with allowance for condensation. *Journal of Engineering Physics*, **1987**, 53, 746-749	
7	Direct Simulation Monte Carlo Method Applied to Aerothermodynamics. *Revista Brasileira De Ciencias Mecanicas/Journal of the Brazilian Society of Mechanical Sciences*, **2001**, 23, 441-452	
6	Strömung von Gasen durch Rohre und Blenden. *Springer Reference Technik*, **2018**, 233-264	0.1
5	Grundlagen der exakten Berechnung von stationären Flüssen verdünnter Gase. *Springer Reference Technik*, **2018**, 195-232	0.1
4	Grundlagen der exakten Berechnung von stationären Flüssen verdünnter Gase. *Springer Reference Technik*, **2017**, 1-38	0.1
3	Strömung von Gasen durch Rohre und Blenden. *Springer Reference Technik*, **2017**, 1-33	0.1
2	Analytische und numerische Berechnungen von stationären Flüssen verdünnter Gase **2012**, 173-231	
1	Thermophoretic force on a sphere of arbitrary thermal conductivity in a rarefied gas. *Vacuum*, **2022**, 111062	97