

Egon P Hassel

List of Publications by Year in descending order

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129
papers

2,475
citations

230014

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h-index

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44
g-index

133
all docs

133
docs citations

133
times ranked

1916
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of the effects of a load shedding at a lignite power plant. Energy Science and Engineering, 2021, 9, 1263-1273.	1.9	3
2	Thermophysical properties of 1-ethyl-3-methylimidazolium dicyanamide in a wide range of temperatures and pressures. Journal of Molecular Liquids, 2021, 332, 115552.	2.3	7
3	(p, \bar{V} , T) data of 1-butyl-3-methylimidazolium hexafluorophosphate. Journal of Chemical Thermodynamics, 2020, 141, 105954.	1.0	13
4	Numerical analysis of the influence of early fuel injection on charge motion in a direct injection spark ignition engine using scale-resolving simulations. International Journal of Engine Research, 2020, 21, 664-682.	1.4	4
5	Carbon Dioxide Solubility in 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate or 1-Butyl-3-methylimidazolium Trifluoromethanesulfonate Ionic Liquids. Journal of Chemical & Engineering Data, 2020, 65, 1060-1067.	1.0	3
6	High-temperature and high-pressure thermophysical property measurements and thermodynamic modelling of an international oil standard: RAVENOL diesel rail injector calibration fluid. Fuel Processing Technology, 2020, 199, 106220.	3.7	12
7	Vapor pressures and activity coefficients of 2,2,2-trifluoroethanol in binary mixtures with 1,3-dimethyl-2-imidazolidinone and 2-pyrrolidone. Journal of Molecular Liquids, 2020, 305, 112828.	2.3	2
8	Influence of jet exit conditions on mixing and statistics of flow fine structures. International Journal of Heat and Fluid Flow, 2020, 82, 108537.	1.1	2
9	High - temperature and high-pressure (p, \bar{V} , T) measurements and derived thermodynamic properties of 1-octyl-3-methylimidazolium hexafluorophosphate. Journal of the Serbian Chemical Society, 2020, 85, 237-250.	0.4	3
10	Data-based prediction of particle emissions during manoeuvring of ships. , 2019, , .		2
11	Effects of rising dynamic requirements on the lifetime consumption of a combined cycle gas turbine power plant. Energy Procedia, 2019, 158, 5717-5723.	1.8	7
12	Thermophysical Properties of 1-Butyl-3-methylimidazolium Trifluoromethanesulfonate in a Wide Range of Temperatures and Pressures. Journal of Chemical & Engineering Data, 2019, 64, 2247-2258.	1.0	12
13	Data-based modelling of ship emissions and fuel oil consumption for transient engine operation. , 2019, , .		6
14	On-Board Support System for the eco-friendly ship operation in coastal and port areas. , 2019, , .		5
15	High pressure speed of sound and related properties of 1-ethyl-3-methylimidazolium methanesulfonate. Journal of Molecular Liquids, 2019, 276, 885-896.	2.3	17
16	Vapor pressure of 1-butanol and Diesel B0 binary fuel blends. Journal of the Serbian Chemical Society, 2019, 84, 599-607.	0.4	3
17	Numerical Simulation of a Large Bore Dual Fuel Marine Engine Using Tabulated Detailed Reaction Mechanisms. , 2019, , .		1
18	Carbon dioxide solubility in 1-butyl-3-methylimidazolium tetrafluoroborate and 1-butyl-3-methylimidazolium tetrachloroferrate over an extended range of temperature and pressure. Fluid Phase Equilibria, 2018, 467, 45-60.	1.4	12

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19	Thermophysical properties of Diesel fuel over a wide range of temperatures and pressures. <i>Fuel</i> , 2018, 216, 870-889.	3.4	32
20	Effect of temperature on thermal (density), caloric (heat capacity), acoustic (speed of sound) and transport (viscosity) properties of 1-octyl-3-methylimidazolium hexafluorophosphate at atmospheric pressure. <i>Journal of Chemical Thermodynamics</i> , 2018, 124, 49-64.	1.0	14
21	Viscosity of 1-ethyl-3-methylimidazolium methanesulfonate over a wide range of temperature and Vogel's Tamman-Fulcher model. <i>Physics and Chemistry of Liquids</i> , 2018, 56, 703-717.	0.4	12
22	Fuel Consumption and Emissions in Transient Operation During Ship Maneuvering. , 2018, , .		0
23	Evaluation of Flexibility Optimization for Thermal Power Plants. , 2018, , .		1
24	The density-salinity relation of standard seawater. <i>Ocean Science</i> , 2018, 14, 15-40.	1.3	33
25	(P,T) properties of 1-octyl-3-methylimidazolium tetrafluoroborate. <i>Journal of the Serbian Chemical Society</i> , 2018, 83, 61-73.	0.4	6
26	Apparent molar volumes, V_N^{∞} , of calcium acetate ($\text{Ca}(\text{CH}_3\text{COO})_2(\text{aq})$) at 273.15 to 353.15 K and pressures up to 100 MPa. <i>Journal of the Serbian Chemical Society</i> , 2018, 83, 1005-1016.	0.4	1
27	High temperatures and high pressures density measurements of 1-ethyl-3-methylimidazolium methanesulfonate and Tait-type equation of state. <i>Journal of Molecular Liquids</i> , 2017, 238, 347-358.	2.3	20
28	Numerical simulation of casting processes: coupled mould filling and solidification using VOF and enthalpy-porosity method. <i>Heat and Mass Transfer</i> , 2017, 53, 1957-1969.	1.2	7
29	Viscosity, Density, Heat Capacity, Speed of Sound and Other Derived Properties of 1-Butyl-3-Methylimidazolium tris(Pentafluoroethyl) Trifluorophosphate over a Wide Range of Temperature and at Atmospheric Pressure. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 3620-3631.	1.0	26
30	Local steam temperature imbalances of coal-fired boilers at very low load. <i>Energy Procedia</i> , 2017, 120, 439-446.	1.8	3
31	Modelling and simulation of a coal-fired power plant for start-up optimisation. <i>Applied Energy</i> , 2017, 208, 319-331.	5.1	64
32	Density, Viscosity, and Vapor Pressure Measurements of Water + Lithium Bis(trifluoromethylsulfonyl)imide Solutions. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 2056-2066.	1.0	18
33	High-temperature and high-pressure density measurements and other derived thermodynamic properties of 1-butyl-3-methylimidazolium tris (pentafluoroethyl) trifluorophosphate. <i>Thermochimica Acta</i> , 2017, 658, 14-23.	1.2	9
34	Simulation of Ancillary Services in Thermal Power Plants in Energy Systems With High Impact of Renewable Energy. , 2017, , .		6
35	A method to measure the density of seawater accurately to the level of 10^{-6} . <i>Metrologia</i> , 2016, 53, 770-786.	0.6	22
36	CORRELATION OF VELOCITY AND SCALAR FIELDS IN CONFINED JET FLOWS. <i>Heat Transfer Research</i> , 2016, 47, 963-973.	0.9	0

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37	<i>Ab initio</i> intermolecular potential energy surface and thermophysical properties of nitrous oxide. <i>Journal of Chemical Physics</i> , 2015, 142, 244307.	1.2	15
38	Identification of Energy Storage Capacities Within Large-Scale Power Plants and Development of Control Strategies to Increase Marketable Grid Services. , 2015, , .		8
39	Large Eddy Simulation of Turbulent Reactive Mixing at High Schmidt and Reynolds Numbers. <i>Chemical Engineering and Technology</i> , 2015, 38, 1608-1616.	0.9	3
40	THERMOPHYSICAL PROPERTIES OF 1-BUTYL-3-METHYLIMIDAZOLIUM BIS(TRIFLUOROMETHYLSULFONYL)IMIDE AT HIGH TEMPERATURES AND PRESSURES. <i>Brazilian Journal of Chemical Engineering</i> , 2015, 32, 303-316.	0.7	39
41	Vapor Pressures and Activity Coefficients of Methanol in Binary Mixtures with 1-Hexyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide. <i>Journal of Chemical & Engineering Data</i> , 2015, 60, 1648-1663.	1.0	19
42	Thermophysical properties of 1-butanol over a wide range of temperatures and pressures up to 200 MPa. <i>Journal of Molecular Liquids</i> , 2015, 209, 465-479.	2.3	21
43	Heat transfer intensification for laminar and turbulent flows in a narrow channel with one-row oval dimples. <i>High Temperature</i> , 2015, 53, 375-386.	0.1	30
44	Viscosity and density of isobutane measured in wide ranges of temperature and pressure including the near-critical region. <i>AIChE Journal</i> , 2015, 61, 3116-3137.	1.8	10
45	Condensation-Fouling Interaction in Low-Temperature EGR-Coolers. <i>MATEC Web of Conferences</i> , 2014, 18, 03004.	0.1	3
46	Intermolecular potential energy surface and thermophysical properties of ethylene oxide. <i>Journal of Chemical Physics</i> , 2014, 141, 164322.	1.2	14
47	High pressure density and solubility for the CO ₂ +1-ethyl-3-methylimidazolium ethylsulfate system. <i>Journal of Supercritical Fluids</i> , 2014, 88, 46-55.	1.6	23
48	Thermophysical properties of 1-butyl-3-methylimidazolium acetate over a wide range of temperatures and pressures. <i>Fluid Phase Equilibria</i> , 2014, 383, 144-155.	1.4	55
49	Carbon Dioxide Solubility in 1-Hexyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide in a Wide Range of Temperatures and Pressures. <i>Journal of Physical Chemistry B</i> , 2014, 118, 6829-6838.	1.2	11
50	Vortex Heat Transfer Enhancement in Dimpled Channels. , 2014, , .		1
51	Thermophysical properties of 1-hexyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide at high temperatures and pressures. <i>Journal of Molecular Liquids</i> , 2013, 187, 137-156.	2.3	49
52	Carbon dioxide solubility in 1-butyl-3-methylimidazolium-bis(trifluoromethylsulfonyl)imide over a wide range of temperatures and pressures. <i>Journal of Chemical Thermodynamics</i> , 2013, 67, 181-189.	1.0	21
53	(<i>p</i> , <i>T</i>) Properties of seawater at brackish salinities: Extensions to high temperatures and pressures. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2013, 78, 95-101.	0.6	13
54	Vortex Heat Transfer Enhancement in Narrow Channel by Oval Dimples Arrangement. , 2013, , .		1

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55	Thermal properties of 1-butyl-3-methylimidazolium dicyanamide at high pressures and temperatures. Acta Chimica Slovaca, 2012, 5, .	0.5	6
56	Flow structures and heat transfer on dimples in a staggered arrangement. International Journal of Heat and Fluid Flow, 2012, 35, 168-175.	1.1	81
57	(p,T) properties of seawater: Extensions to high salinities. Deep-Sea Research Part I: Oceanographic Research Papers, 2012, 65, 146-156.	0.6	21
58	Turbulence-Chemistry-Interaction Modelling in 3D-CFD for Study of Auto Ignition Phenomena. , 2012, , .		0
59	Large Eddy Simulation of Turbulent Reacting Mixing of Liquids in a Coaxial Jet Mixer. Chemie-Ingenieur-Technik, 2012, 84, 813-822.	0.4	1
60	Thermophysical Properties of Thermal Water Resources. Chemie-Ingenieur-Technik, 2012, 84, 1415-1415.	0.4	1
61	Thermophysical Properties of Ionic Liquids. Chemie-Ingenieur-Technik, 2012, 84, 1414-1415.	0.4	0
62	Vapor pressures and activity coefficients of binary mixtures of 1-ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide with acetonitrile and tetrahydrofuran. Journal of Chemical Thermodynamics, 2012, 47, 56-61.	1.0	14
63	Experimental study of the density and viscosity of 1-ethyl-3-methylimidazolium ethyl sulfate. Journal of Chemical Thermodynamics, 2012, 47, 68-75.	1.0	86
64	Thermophysical properties of 1-butyl-4-methylpyridinium tetrafluoroborate. Journal of Chemical Thermodynamics, 2012, 51, 82-87.	1.0	20
65	Large eddy simulation of turbulent mixing and fast chemistry at high Schmidt and Reynolds numbers. , 2012, , .		0
66	Vortex structures, heat transfer and surface optimization of dimpled surfaces. , 2012, , .		0
67	Simultaneous Viscosity and Density Measurements on Ethane and Propane over a Wide Range of Temperature and Pressure Including the Near-Critical Region. Journal of Chemical & Engineering Data, 2011, 56, 1476-1493.	1.0	31
68	Thermodynamic Properties of 1-Ethyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide. Journal of Chemical & Engineering Data, 2011, 56, 106-112.	1.0	55
69	Thermodynamic properties of 1-butyl-3-methylpyridinium tetrafluoroborate. Journal of Chemical Thermodynamics, 2011, 43, 1315-1322.	1.0	29
70	A Loschmidt cell combined with holographic interferometry for binary diffusion experiments in gas mixtures including first measurements on the argon-neon system. Measurement Science and Technology, 2011, 22, 105409.	1.4	10
71	LES of Premixed Flame Propagation in a Free Straight Vortex. Flow, Turbulence and Combustion, 2010, 84, 513-541.	1.4	1
72	Influence of the Reynolds number and the spherical dimple depth on turbulent heat transfer and hydraulic loss in a narrow channel. International Journal of Heat and Mass Transfer, 2010, 53, 178-197.	2.5	100

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73	Thermodynamic properties of 1-hexyl-3-methylimidazolium tetrafluoroborate. Journal of Molecular Liquids, 2010, 153, 153-158.	2.3	32
74	Numerical Modeling and Physical Simulation of Vortex Heat Transfer Enhancement Mechanisms Over Dimpled Reliefs. , 2010, , .		4
75	LES VERSUS RANS MODELING OF TURBULENT JET FLOW IN A COAXIAL MIXER. Computational Thermal Sciences, 2010, 2, 165-182.	0.5	0
76	The (p, ρ , T) properties and apparent molar volumes V_m^* of ZnCl ₂ +C ₂ H ₅ OH. Journal of Molecular Liquids, 2009, 146, 116-121.	2.3	1
77	The (p, ρ , T) properties and apparent molar volumes V_m^* of (ZnBr ₂ +C ₂ H ₅ OH). Journal of Chemical Thermodynamics, 2009, 41, 1162-1169.	1.0	12
78	High Temperature and High Pressure Volumetric (Density and Apparent Molar Volumes) Properties of (CaCl ₂ + C ₂ H ₅ OH) Solutions. Journal of Chemical & Engineering Data, 2009, 54, 248-255.	1.0	2
79	Thermodynamic Properties of the Geothermal Resources (Khachmaz and Sabir-Oba) of Azerbaijan. Journal of Chemical & Engineering Data, 2009, 54, 1799-1806.	1.0	20
80	Simultaneous Measurements on Helium and Nitrogen with a Newly Designed Viscometer-Densimeter over a Wide Range of Temperature and Pressure. Journal of Chemical & Engineering Data, 2009, 54, 2626-2637.	1.0	30
81	High temperature and high pressure volumetric properties of (methanol + [BMIM+][OCSO ⁻⁴]) mixtures. Physics and Chemistry of Liquids, 2009, 47, 9-34.	0.4	16
82	Experimental densities and derived thermodynamic properties of liquid propan-1-ol at temperatures from 298 to 423K and at pressures up to 40MPa. Fluid Phase Equilibria, 2008, 268, 21-33.	1.4	45
83	Study of scalar macro- and microstructures in a confined jet. International Journal of Heat and Fluid Flow, 2008, 29, 665-674.	1.1	12
84	Simulation of the turbulent mixing of a passive impurity in a jet mixer. Journal of Engineering Physics and Thermophysics, 2008, 81, 692-707.	0.2	3
85	High-Pressure Densities and Derived Volumetric Properties (Excess, Apparent and Partial Molar) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 62 T 801-833.	0.6	47
86	Densities and Excess, Apparent, and Partial Molar Volumes of Binary Mixtures of BMIMBF ₄ +Ethanol as a Function of Temperature, Pressure, and Concentration. International Journal of Thermophysics, 2008, 29, 505-533.	1.0	70
87	Premixed flame propagation in a free straight vortex. Forschung Im Ingenieurwesen/Engineering Research, 2008, 72, 85-92.	1.0	3
88	The Equation of State for Caspian Sea Waters. Aquatic Geochemistry, 2008, 14, 289-299.	1.5	7
89	High-pressure densities and derived volumetric properties (excess, apparent, and partial molar) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 62 T 2008, 40, 1386-1401.	1.0	56
90	High-pressure densities and derived volumetric properties (excess and partial molar volumes,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 T	1.2	22

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91	Investigations of the (p, \bar{V} ; T) Properties and Apparent Molar Volumes V_i of the LiCl + C ₂ H ₅ OH Solutions. Journal of Chemical & Engineering Data, 2008, 53, 388-397.	1.0	2
92	Synthesis of homogeneous anisotropic divergence-free turbulent fields with prescribed second-order statistics by vortex dipoles. Physics of Fluids, 2007, 19, 068101.	1.6	24
93	Synthesis of homogeneous anisotropic turbulent fields with prescribed second-order statistics by the random spots method. Communications in Numerical Methods in Engineering, 2007, 24, 875-877.	1.3	23
94	(p, \bar{V}, T) Properties of 1-butyl-3-methylimidazolium tetrafluoroborate and 1-butyl-3-methylimidazolium hexafluorophosphate at T=(298.15 to 398.15) K and pressures up to p=40 MPa. Journal of Molecular Liquids, 2007, 136, 177-182.	2.3	65
95	Synthesis of artificial turbulent fields with prescribed second-order statistics using the random spot method. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 2100047-2100048.	0.2	7
96	Analysis of the process of mixing of a passive impurity in a jet mixer. Journal of Engineering Physics and Thermophysics, 2007, 80, 259-272.	0.2	1
97	Performances of LES and RANS Models for Simulation of Complex Flows in a Coaxial Jet Mixer. Flow, Turbulence and Combustion, 2007, 78, 111-127.	1.4	27
98	Viscosity Measurements on Gaseous Ethane. Journal of Chemical & Engineering Data, 2006, 51, 136-144.	1.0	13
99	Viscosity Measurements on Nitrogen. Journal of Chemical & Engineering Data, 2006, 51, 526-533.	1.0	40
100	Prediction of CO Emissions from a Gasoline Direct Injection Engine Using CHEMKIN [®] . , 2006, , .		4
101	Investigation of the thermal properties and apparent molar volumes of ZnBr ₂ (aq) in the temperature range from 298.15 to 398.15 K and at pressures up to p=60 MPa using a piezometer of constant volume. Journal of Molecular Liquids, 2006, 124, 51-57.	2.3	2
102	Mixing of confined coaxial flows. International Journal of Heat and Mass Transfer, 2006, 49, 3942-3956.	2.5	28
103	Study of vapour pressure of lithium nitrate solutions in ethanol. Journal of Chemical Thermodynamics, 2006, 38, 611-616.	1.0	13
104	Thermal properties and apparent molar volumes V_i of ZnCl ₂ (aq) in high temperatures and pressures. Journal of Molecular Liquids, 2006, 128, 127-133.	2.3	4
105	Large-eddy simulation and laser diagnostic measurements of mixing in a coaxial jet mixer. Chemical Engineering Science, 2006, 61, 2908-2912.	1.9	13
106	(p, \bar{V}, T) properties, and apparent molar volumes V_i of ZnBr ₂ in methanol at T=(298.15 to 398.15)K and pressures up to p=40MPa. Journal of Chemical Thermodynamics, 2005, 37, 1318-1326.	1.0	12
107	(p, \bar{V}, T) and (p_s, \bar{V}_s, T_s) properties, and apparent molar volumes V_i of CaCl ₂ (aq) at T=298.15 to 398.15 K and at pressures up to p=60 MPa. Journal of Molecular Liquids, 2005, 116, 165-174.	2.3	18
108	(p, \bar{V}, T) and (p_s, \bar{V}_s, T_s) properties and apparent molar volumes V_i of LiNO ₃ (aq) at T=298.15 to 398.15 K and at pressures up to p=60 MPa. Journal of Molecular Liquids, 2005, 116, 157-163.	2.3	15

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109	Thermodynamic properties of mixtures containing ionic liquids. <i>Fluid Phase Equilibria</i> , 2005, 236, 222-228.	1.4	81
110	Viscosity Measurements on Gaseous Sulfur Hexafluoride. <i>Journal of Chemical & Engineering Data</i> , 2005, 50, 896-906.	1.0	16
111	Erhhung des Wrmeberganges durch Wirbelinduktion in Oberflchendellen. <i>Forschung Im Ingenieurwesen/Engineering Research</i> , 2004, 69, 90-100.	1.0	9
112	Excess molar volumes V_m^E , isothermal compressibilities k , and thermal expansivities β of $\{(1-x)H_2O+xCH_3OH\}$ at $T=(298.15 \text{ to } 523.15) \text{ K}$ and pressures up to 60 MPa. <i>Journal of Chemical Thermodynamics</i> , 2004, 36, 541-547.	1.0	10
113	Vorstellung eines neuartigen Brenners zur Erzeugung von turbulenten, verdrahten Kohlenwasserstoff " Diffusionsflammen. <i>Forschung Im Ingenieurwesen/Engineering Research</i> , 2003, 68, 1-7.	1.0	0
114	Flow field measurements of stable and locally extinguishing hydrocarbon-fuelled jet flames. <i>Combustion and Flame</i> , 2003, 135, 185-190.	2.8	216
115	Measurement of temperature and concentration in oxy-fuel flames by Raman/Rayleigh spectroscopy. <i>Measurement Science and Technology</i> , 2002, 13, 1952-1961.	1.4	11
116	Experimental study of the synthesis of fused silica by direct combustion hydrolysis. <i>Experiments in Fluids</i> , 2002, 32, 66-75.	1.1	14
117	Comparison of two-photon excitation schemes for CO detection in flames. <i>Applied Physics B: Lasers and Optics</i> , 2000, 71, 689-696.	1.1	26
118	Laser diagnostics for studies of turbulent combustion. <i>Measurement Science and Technology</i> , 2000, 11, R37-R57.	1.4	89
119	Finite Rate Chemistry and NO Molefraction in Non-Premixed Turbulent Flames. <i>Combustion and Flame</i> , 1998, 113, 198-211.	2.8	24
120	Velocity measurements in a strongly swirling natural gas flame. <i>Forschung Im Ingenieurwesen/Engineering Research</i> , 1997, 63, 263-269.	1.0	4
121	Turbulence modulation in jet diffusion flames: Modeling and experiments. <i>Combustion and Flame</i> , 1996, 106, 301-317.	2.8	37
122	Some velocity measurements in a swirling jet and a swirling flame with strong recirculation. <i>Forschung Im Ingenieurwesen/Engineering Research</i> , 1995, 61, 1-5.	1.0	0
123	Turbulence-radiation interaction in confined combustion systems. <i>Forschung Im Ingenieurwesen/Engineering Research</i> , 1995, 61, 67-74.	1.0	0
124	Experimental data base for numerical simulations of turbulent diffusion flames. <i>Forschung Im Ingenieurwesen/Engineering Research</i> , 1995, 61, 165-171.	1.0	7
125	An LDV system for measurement of spatial velocity correlations in turbulent gas-flows. <i>Forschung Im Ingenieurwesen/Engineering Research</i> , 1994, 60, 249-253.	1.0	1
126	A three-component LDV system for measurements of higher statistical moments in turbulent diffusion flames. <i>Forschung Im Ingenieurwesen/Engineering Research</i> , 1993, 59, 61-65.	1.0	4

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127	Ultraviolet Raman-scattering measurements in flames by the use of a narrow-band XeCl excimer laser. Applied Optics, 1993, 32, 4058.	2.1	39
128	Multichannel raman scattering: Comparison of an intensified linear diode array and an ICCD detector. Forschung Im Ingenieurwesen/Engineering Research, 1992, 58, 50-53.	1.0	0
129	Analysis of Cycle-to-Cycle Variations of the Mixing Process in a Direct Injection Spark Ignition Engine Using Scale-Resolving Simulations. SAE International Journal of Engines, 0, 9, 2320-2336.	0.4	3