

Venkat R Bhethanabotla

List of Publications by Year in descending order

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163
papers

3,927
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117625

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54
g-index

165
all docs

165
docs citations

165
times ranked

4325
citing authors

#	ARTICLE	IF	CITATIONS
1	Degradable poly(catechin) nanoparticles as a versatile therapeutic agent. International Journal of Polymeric Materials and Polymeric Biomaterials, 2022, 71, 1104-1115.	3.4	13
2	Removal of Non-Specifically Bound Proteins Using Rayleigh Waves Generated on ST-Quartz Substrates. Sensors, 2022, 22, 4096.	3.8	7
3	Electrochemical Sensor Based on Carbon-Incorporated WSe ₂ Nanosheets for Simultaneous Detection of Ascorbic Acid, Dopamine, and Uric Acid. IEEE Sensors Journal, 2022, 22, 14952-14958.	4.7	7
4	Photoresponse of the AlN-Based SAW Device on Polymeric and Silicon Substrates. IEEE Sensors Journal, 2021, 21, 9675-9681.	4.7	9
5	Scalable and stable silica-coated silver nanoparticles, produced by electron beam evaporation and rapid thermal annealing, for plasmon-enhanced photocatalysis. Catalysis Communications, 2021, 149, 106213.	3.3	17
6	Sorption of Benzene, 2-Butanone, and Chloroform by Polybutadiene and its Copolymers with Polystyrene at 298.15 K Using a Quartz-Crystal Microbalance. Journal of Chemical & Engineering Data, 2021, 66, 243-248.	1.9	1
7	Unraveling the Autonomous Motion of Polymer-Based Catalytic Micromotors Under Chemical [~] Acoustic Hybrid Power. Advanced NanoBiomed Research, 2021, 1, 2000009.	3.6	11
8	Unravelling the Origin of Enhanced Electrochemical Performance in CoSe ₂ ~MoSe ₂ Interfaces. ChemCatChem, 2021, 13, 2017-2024.	3.7	7
9	Sorption of Benzene, Toluene, and Ethylbenzene at Low Concentrations by Plasticized Poly(ethyl) Tj ETQq1 1 0.784314 rgBT /Overloc Chemical & Engineering Data, 2021, 66, 3354-3359.	1.9	1
10	Sensitive Biosensing Using Plasmonic Enhancement of Fluorescence by Rapid Thermal Annealed Silver Nanostructures. IEEE Sensors Journal, 2021, 21, 15917-15925.	4.7	1
11	Versatile Fluorescent Carbon Dots from Citric Acid and Cysteine with Antimicrobial, Anti-biofilm, Antioxidant, and AChE Enzyme Inhibition Capabilities. Journal of Fluorescence, 2021, 31, 1705-1717.	2.5	33
12	Polymer-Based Plasticizer Coatings for BTEX Detection Using Quartz Crystal Microbalance. Sensors, 2021, 21, 5667.	3.8	5
13	Role of Ba in low temperature thermochemical conversion of carbon dioxide with LaFeO ₃ perovskite oxides. Journal of CO ₂ Utilization, 2021, 51, 101638.	6.8	5
14	Surface acoustic waves in biosensing applications. Sensors and Actuators Reports, 2021, 3, 100041.	4.4	47
15	Optical interconnects on a flexible substrate by multi-material hybrid additive and subtractive manufacturing. Additive Manufacturing, 2021, 48, 102409.	3.0	2
16	Fluorescence Detection of miRNA-21 Using Au/Pt Bimetallic Tubular Micromotors Driven by Chemical and Surface Acoustic Wave Forces. ACS Applied Bio Materials, 2021, 4, 7932-7941.	4.6	22
17	Hybrid Co@Ni ₁₂ P ₅ /PPy microspheres with dual synergies for high performance oxygen evolution. Journal of Catalysis, 2020, 391, 357-365.	6.2	19
18	Nitrogen-Doped Arginine Carbon Dots and Its Metal Nanoparticle Composites as Antibacterial Agent. Journal of Carbon Research, 2020, 6, 58.	2.7	27

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19	GHz AlN-based multiple mode SAW temperature sensor fabricated on PEN substrate. Sensors and Actuators A: Physical, 2020, 315, 112268.	4.1	30
20	Sorption of Benzene, Toluene, and Ethylbenzene by Poly(ethyl methacrylate) and Plasticized Poly(ethyl Tj ETQq0 0 0 rgBT /Overlock 10 Data, 2020, 65, 5046-5054.	1.9	4
21	Mesoporous Silica Supported Perovskite Oxides for Low Temperature Thermochemical CO ₂ Conversion. ChemCatChem, 2020, 12, 6317-6328.	3.7	15
22	A Mixedâ€Metal Porphyrinic Framework Promoting Gasâ€Phase CO ₂ Photoreduction without Organic Sacrificial Agents. ChemSusChem, 2020, 13, 6273-6277.	6.8	26
23	Aldosterone up-regulates voltage-gated potassium currents and NKCC1 protein membrane fractions. Scientific Reports, 2020, 10, 15604.	3.3	12
24	Predictive Framework for FRP-Concrete Corrosion Repair. Journal of Composites for Construction, 2020, 24, 04020068.	3.2	1
25	Engineering surface and morphology of La/WO ₃ for electrochemical oxygen reduction. CrystEngComm, 2020, 22, 2397-2405.	2.6	7
26	Hybrid Electro-Plasmonic Neural Stimulation with Visible-Light-Sensitive Gold Nanoparticles. ACS Nano, 2020, 14, 10917-10928.	14.6	20
27	Conformable surface acoustic wave biosensor for E-coli fabricated on PEN plastic film. Biosensors and Bioelectronics, 2020, 163, 112164.	10.1	64
28	Laser Enhanced Direct Print Additive Manufacturing of Embedded Circular Cross-Section Optical Fiber Interconnects for Board Level Computing Devices. Additive Manufacturing, 2020, 34, 101227.	3.0	0
29	Acoustic streaming in second-order fluids. Physics of Fluids, 2020, 32, .	4.0	14
30	Quantification of CEA from Human Plasma using Plasmonic Enhancement of Fluorescence and Acoustic Streaming. , 2020, , .		0
31	Thermochemical conversion of carbon dioxide by reverse water-gas shift chemical looping using supported perovskite oxides. Catalysis Today, 2019, 323, 225-232.	4.4	51
32	Intrinsically strained noble metal-free oxynitrides for solar photoreduction of CO ₂ . Dalton Transactions, 2019, 48, 12738-12748.	3.3	6
33	CO ₂ Conversion Performance of Perovskite Oxides Designed with Abundant Metals. Industrial & Engineering Chemistry Research, 2019, 58, 12551-12560.	3.7	16
34	Design of a Portable Orthogonal Surface Acoustic Wave Sensor System for Simultaneous Sensing and Removal of Nonspecifically Bound Proteins. Sensors, 2019, 19, 3876.	3.8	7
35	Co, Fe, and Mn in La-perovskite oxides for low temperature thermochemical CO ₂ conversion. Catalysis Today, 2019, 338, 52-59.	4.4	40
36	Light interaction with AlN-based SAW device fabricated on flexible and silicon substrate. , 2019, , .		2

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37	Portable Fluorescence Detection System with Rayleigh Waves Removing Nonspecifically Bound Proteins. , 2019, , .		0
38	Acoustothermal heating in surface acoustic wave driven microchannel flow. Physics of Fluids, 2019, 31, .	4.0	32
39	MoS ₂ Nanoflowers as a Gateway for Solar-Driven CO ₂ Photoreduction. ACS Sustainable Chemistry and Engineering, 2019, 7, 265-275.	6.7	50
40	Enhanced CO ₂ Conversion to CO by Silica-Supported Perovskite Oxides at Low Temperatures. ACS Catalysis, 2018, 8, 3021-3029.	11.2	87
41	Earth abundant perovskite oxides for low temperature CO ₂ conversion. Energy and Environmental Science, 2018, 11, 648-659.	30.8	93
42	Integrating Metal-Enhanced Fluorescence and Surface Acoustic Waves for Sensitive and Rapid Quantification of Cancer Biomarkers from Real Matrices. ACS Sensors, 2018, 3, 222-229.	7.8	32
43	Interface Engineering of Metal Oxynitride Lateral Heterojunctions for Photocatalytic and Optoelectronic Applications. Journal of Physical Chemistry C, 2018, 122, 22504-22511.	3.1	6
44	Sorption of Benzene, 1,2-Dichloroethane, Dichloromethane, and Chloroform by Polyethylene Glycol, Polycaprolactone, and their Triblock Copolymers at 298.15 K Using a Quartz Crystal Microbalance. Journal of Chemical & Engineering Data, 2018, 63, 3459-3464.	1.9	4
45	Sorption of Benzene, Dichloromethane, and n-Propyl Acetate by Poly(methyl methacrylate)/Polystyrene Copolymers at 323.15 K Using a Quartz Crystal Balance. Journal of Chemical & Engineering Data, 2018, 63, 2753-2757.	1.9	3
46	Electron injection study of photoexcitation effects on supported subnanometer Pt clusters for CO ₂ photoreduction. Physical Chemistry Chemical Physics, 2018, 20, 15926-15938.	2.8	7
47	Concentration-dependent effects of alendronate and pamidronate functionalized gold nanoparticles on osteoclast and osteoblast viability. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2017, 105, 21-29.	3.4	13
48	Plasmonic photocatalytic reactor design: Use of multilayered films for improved organic degradation rates in a recirculating flow reactor. Chemical Engineering Journal, 2017, 314, 11-18.	12.7	10
49	Achieving Lower Insertion Loss and Higher Sensitivity in a SAW Biosensor via Optimization of Waveguide and Microcavity Structures. IEEE Sensors Journal, 2017, 17, 1608-1616.	4.7	16
50	Gold nanoparticle-based low limit of detection Love wave biosensor for carcinoembryonic antigens. Biosensors and Bioelectronics, 2017, 95, 48-54.	10.1	63
51	Nanoparticle-based Plasmonic Transduction for Modulation of Electrically Excitable Cells. Scientific Reports, 2017, 7, 7803.	3.3	25
52	Sorption of Benzene, Dichloroethane, Dichloromethane, and Chloroform by Poly(ethylene glycol), Polycaprolactone, and Their Copolymers at 298.15 K Using a Quartz Crystal Microbalance. Journal of Chemical & Engineering Data, 2017, 62, 2755-2760.	1.9	8
53	Assessment of mechanisms for enhanced performance of TiO ₂ /YAG:Yb ³⁺ ,Er ³⁺ composite photocatalysts for organic degradation. Applied Catalysis B: Environmental, 2017, 202, 147-155.	20.2	25
54	Heating of Rayleigh surface acoustic wave devices in 128°YX LiNbO ₃ and ST X quartz substrates. , 2017, , .		2

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55	Notice of Removal: Chemical and biological sensing using acoustic wave propagation and nano-scale phenomena. , 2017, , .		0
56	Metal-enhanced immunofluorescence assays for detection of carcinoembryonic antigen. , 2017, , .		1
57	Guest Editorial Special Issue on Selected Papers From the IEEE SENSORS 2016 Conference. IEEE Sensors Journal, 2017, 17, 7222-7222.	4.7	0
58	Gold nanoparticles amplified surface acoustic wave biosensors for immunodetection. , 2016, , .		1
59	Sorption of Benzene, Dichloromethane, and 2-Butanone by Poly(methyl methacrylate), Poly(butyl Tj ETQq1 1 0.784314 rgBT /Overlook & Engineering Data, 2016, 61, 3877-3882.	1.9	4
60	Oxygen vacancy formation characteristics in the bulk and across different surface terminations of $\text{La}_{1-x}\text{Sr}_x\text{Fe}_y\text{Co}_y\text{O}_{3-y}$ perovskite oxides for CO_2 conversion. Journal of Materials Chemistry A, 2016, 4, 5137-5148.	10.3	65
61	More Cu, more problems: Decreased CO_2 conversion ability by Cu-doped $\text{La}_{0.75}\text{Sr}_{0.25}\text{FeO}_3$ perovskite oxides. Surface Science, 2016, 648, 92-99.	1.9	34
62	Design and fabrication of a SAW device with Ta filled microcavities inserted into its delay path for improved power transfer. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2015, 33, .	1.2	2
63	Design and fabrication of SiO_2 waveguide-based SAW sensors with filled microcavities. , 2015, , .		1
64	Microcavity assisted acoustic wave channeling can lead to high sensitivity and ultra-low power SAW sensors. , 2015, , .		0
65	Isothermal reverse water gas shift chemical looping on $\text{La}_{0.75}\text{Sr}_{0.25}\text{Co}_{1-x}\text{Fe}_x\text{O}_3$ perovskite-type oxides. Catalysis Today, 2015, 258, 691-698.	4.4	72
66	The effect of the morphology of supported subnanometer Pt clusters on the first and key step of CO_2 photoreduction. Physical Chemistry Chemical Physics, 2015, 17, 25379-25392.	2.8	25
67	Low Insertion Loss and Highly Sensitive SH-SAW Sensors Based on 36° YX LiTaO_3 Through the Incorporation of Filled Microcavities. IEEE Sensors Journal, 2015, 15, 787-796.	4.7	24
68	Toward a Visible Light-Driven Photocatalyst: The Effect of Midgap-States-Induced Energy Gap of Undoped TiO_2 Nanoparticles. ACS Catalysis, 2015, 5, 327-335.	11.2	244
69	Biomarker quantification at clinically relevant concentrations using metal enhanced fluorescence combined with surface acoustic waves. , 2014, , .		0
70	Design of SH-SAW phononic devices for highly sensitive and ultra-low power sensing applications. , 2014, , .		1
71	Shear-horizontal surface acoustic wave phononic device with high density filling material for ultra-low power sensing applications. Applied Physics Letters, 2014, 104, 253501.	3.3	3
72	Interplay between Subnanometer Ag and Pt Clusters and Anatase TiO_2 (101) Surface: Implications for Catalysis and Photocatalysis. Journal of Physical Chemistry C, 2014, 118, 4702-4714.	3.1	38

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73	CO ₂ Adsorption on Anatase TiO ₂ (101) Surfaces in the Presence of Subnanometer Ag/Pt Clusters: Implications for CO ₂ Photoreduction. Journal of Physical Chemistry C, 2014, 118, 26236-26248.	3.1	57
74	Predicting the Chiral Enrichment of Metallic SWCNTs on Ni-Cu Bimetallic Surfaces. Chemistry of Materials, 2014, 26, 4943-4950.	6.7	7
75	Effect of Pt and Ru promoters on deactivation of Co catalysts by C deposition during Fischer-Tropsch synthesis: A DFT study. Applied Catalysis A: General, 2013, 462-463, 107-115.	4.3	20
76	Liquid heating can cause denaturation of sensing layer in SAW biosensors. , 2013, , .		1
77	Comparison of Newtonian and non-Newtonian fluid dynamics on removal efficiency of non-specifically bound proteins in SAW biosensors. , 2013, , .		1
78	Oxygen Permeability of FRP-Concrete Repair Systems. Journal of Composites for Construction, 2012, 16, 277-285.	3.2	6
79	Effect of platinum promoters on the removal of O from the surface of cobalt catalysts: A DFT study. Surface Science, 2012, 606, 634-643.	1.9	27
80	Epitaxial nucleation model for chiral-selective growth of single-walled carbon nanotubes on bimetallic catalyst surfaces. Carbon, 2012, 50, 3766-3773.	10.3	24
81	Cellular and in vitro toxicity of nanodiamond-polyaniline composites in mammalian and bacterial cell. Materials Science and Engineering C, 2012, 32, 594-598.	7.3	33
82	Oxygen Permeability of Fiber-Reinforced Polymers. Journal of Composites for Construction, 2011, 15, 513-521.	3.2	11
83	Sorption of Benzene, Dichloromethane, n-Propyl Acetate, and 2-Butanone by Poly(methyl Tj ETQq1 1 0.784314 rgBT /Overlock Balance. Journal of Chemical & Engineering Data, 2011, 56, 4772-4777.	1.9	6
84	Engineering picogram level detection using high frequency surface acoustic wave chemical and biological sensors based on multilayered Diamond/AlN/LiNbO ₃ substrates. , 2011, , .		0
85	Quenching of Fluorescence from CdSe/ZnS Nanocrystal QDs Near Copper Nanoparticles in Aqueous Solution. Plasmonics, 2011, 6, 735-740.	3.4	5
86	GOX-functionalized nanodiamond films for electrochemical biosensor. Materials Science and Engineering C, 2011, 31, 1115-1120.	7.3	30
87	Influence of non-newtonian fluid dynamics on SAW induced acoustic streaming in view of biological applications. , 2011, , .		0
88	Glucose Oxidase-Functionalized Nanodiamond Films for Biosensor Application. Materials Research Society Symposia Proceedings, 2011, 1282, 149.	0.1	0
89	Multi-scale modeling to study mechanism of biofouling elimination in a surface acoustic wave biosensor. , 2011, , .		1
90	Bisphosphonate-modified gold nanoparticles: a useful vehicle to study the treatment of osteonecrosis of the femoral head. Nanotechnology, 2011, 22, 035102.	2.6	34

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91	First principles study to identify the reversible reaction step of a multinary hydrogen storage $\text{Mg}^{\text{Mn}}\text{H}$ system. International Journal of Hydrogen Energy, 2010, 35, 9002-9011.	7.1	5
92	Preparation of substituted polyaniline/chitosan composites by in situ electropolymerization and their application to glucose sensing. Carbohydrate Polymers, 2010, 81, 712-719.	10.2	57
93	Acoustic streaming induced elimination of nonspecifically bound proteins from a surface acoustic wave biosensor: Mechanism prediction using fluid-structure interaction models. Journal of Applied Physics, 2010, 108, .	2.5	33
94	Computational design of quartz crystal nanobalance for uniform sensitivity distribution. , 2010, , .		5
95	Enhancement of acoustic streaming induced flow on a focused surface acoustic wave device: Implications for biosensing and microfluidics. Journal of Applied Physics, 2010, 107, 024503.	2.5	10
96	Fluorescence study of protein immobilization on poly(4-hydroxyphenyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (thiophene-3-carboxylic acid) on a surface acoustic wave device. Journal of Applied Physics, 2009, 105, 094303.	7.3	4
97	Measurement of Oxygen Diffusivity and Permeability in Polymers Using Fluorescence Microscopy. Microscopy and Microanalysis, 2010, 16, 725-734.	0.4	4
98	Enhanced surface acoustic wave biosensor performance via delay path modifications in mutually interacting multidirectional transducer configuration: A computational study. Applied Physics Letters, 2009, 95, .	3.3	17
99	Enhancement in ultrasonic micro-transport using focused inter-digital transducers in a surface acoustic wave device: Fluid-structure interaction study. , 2009, , .		4
100	A novel three dimensional fluid-structure interaction finite element model of wave propagation in SAW device: Application to biosensing & microfluidics. , 2009, , .		2
101	Design of mutually interacting multi-directional transducer configurations on a surface acoustic wave device for enhanced biosensing. , 2009, , .		3
102	Orthogonal surface acoustic wave device based on langasite for simultaneous biosensing and biofouling removal. Applied Physics Letters, 2009, 94, 263503.	3.3	11
103	Nano-Ni doped $\text{Li}^{\text{Mn}}\text{H}$ system as a new hydrogen storage candidate. International Journal of Hydrogen Energy, 2009, 34, 6325-6334.	7.1	70
104	Substituted polyaniline/chitosan composites: Synthesis and characterization. Carbohydrate Polymers, 2009, 75, 448-453.	10.2	150
105	Finite-Element Modeling of a Hexagonal Surface Acoustic Wave Device Based on LiNbO_3 Substrate. IEEE Sensors Journal, 2009, 9, 329-339.	4.7	9
106	Manganese Borohydride As a Hydrogen-Storage Candidate: First-Principles Crystal Structure and Thermodynamic Properties. Journal of Physical Chemistry C, 2009, 113, 13416-13424.	3.1	19
107	Silver-copper alloy nanoparticles for metal enhanced luminescence. Applied Physics Letters, 2009, 95, 131115.	3.3	29
108	Effect of Ag^{Cu} Alloy Nanoparticle Composition on Luminescence Enhancement/Quenching. Journal of Physical Chemistry C, 2009, 113, 13016-13022.	3.1	31

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109	Patterned Electrodes for Thickness Shear Mode Quartz Resonators to Achieve Uniform Mass Sensitivity Distribution. IEEE Sensors Journal, 2009, 9, 1772-1777.	4.7	26
110	Numerical analysis of wave generation and propagation in a focused surface acoustic wave device for potential microfluidics applications. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2009, 56, 631-643.	3.0	26
111	Enhancing effects of microcavities on shear-horizontal surface acoustic wave sensors: A finite element simulation study. Applied Physics Letters, 2008, 92, 244104.	3.3	20
112	Ni-induced destabilization dynamics of crystalline zinc borohydride. Applied Physics Letters, 2008, 92, 134101.	3.3	8
113	Removal of Nonspecifically Bound Proteins on Microarrays Using Surface Acoustic Waves. IEEE Sensors Journal, 2008, 8, 314-320.	4.7	54
114	High Frequency Surface Acoustic Wave Devices Based on Multilayered LiNbO ₃ /Diamond/AlN Substrates: A Finite Element Study. ECS Transactions, 2008, 13, 1-12.	0.5	1
115	Predicting the mechanism of removal of nonspecifically bound proteins in a surface acoustic wave biosensor: A fluid-solid interaction study. , 2008, , .		1
116	Design of efficient focused surface acoustic wave devices for potential microfluidic applications. Journal of Applied Physics, 2008, 103, .	2.5	32
117	Finite Element modeling of hexagonal surface acoustic wave biosensor based on LiTaO ₃ , , 2008, , .		1
118	Patterned electrodes for thickness shear mode quartz resonators to achieve uniform mass sensitivity distribution. , 2008, , .		3
119	Identification of a stable phase for the high-capacity hydrogen-storage material Zn density functional theory and lattice dynamics. Physical Review B, 2008, 77, .	3.2	18
120	Flow induced by acoustic streaming on surface-acoustic-wave devices and its application in biofouling removal: A computational study and comparisons to experiment. Physical Review E, 2008, 77, 066308.	2.1	69
121	Finite Element Modeling of Hexagonal Surface Acoustic Wave Device in LiNbO ₃ , , 2007, , .		0
122	Molecular Dynamics Simulation Study of Phase Transformations in Transition Bimetallic Nanowires. Journal of Physical Chemistry C, 2007, 111, 2430-2439.	3.1	43
123	Molecular dynamics simulation of temperature and strain rate effects on the elastic properties of bimetallic Pd-Pt nanowires. Physical Review B, 2007, 76, .	3.2	63
124	High frequency thickness shear mode devices for organic vapor sensing. Sensors and Actuators B: Chemical, 2007, 122, 635-643.	7.8	9
125	Molecular dynamics simulation study of the melting and structural evolution of bimetallic Pd~Pt nanowires. Physical Review B, 2006, 74, .	3.2	41
126	Interactions of Hydrogen with Pd and Pd/Ni Alloy Chain-Functionalized Single Walled Carbon Nanotubes from Density Functional Theory. Journal of Physical Chemistry B, 2006, 110, 22415-22425.	2.6	23

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127	Studies on sputtering process of multicomponent Zr-Ti-Cu-Ni-Be alloy thin films. <i>Vacuum</i> , 2006, 80, 406-414.	3.5	15
128	A 3-D Finite Element Model of Surface Acoustic Wave Sensor Response. <i>ECS Transactions</i> , 2006, 1, 19-27.	0.5	3
129	Melting of Pd clusters and nanowires: A comparison study using molecular dynamics simulation. <i>Physical Review B</i> , 2005, 72, .	3.2	95
130	Molecular dynamics simulations of the structural and dynamic properties of graphite-supported bimetallic transition metal clusters. <i>Physical Review B</i> , 2005, 72, .	3.2	66
131	Molecular dynamics simulation study of the melting of Pd-Pt nanoclusters. <i>Physical Review B</i> , 2005, 71, .	3.2	209
132	Effect of sea salt and calcium carbonate interactions with nitric acid on the direct dry deposition of nitrogen to Tampa Bay, Florida. <i>Atmospheric Environment</i> , 2004, 38, 4847-4858.	4.1	44
133	Atmospheric concentrations and dry deposition rates of polycyclic aromatic hydrocarbons (PAHs) for Tampa Bay, Florida, USA. <i>Atmospheric Environment</i> , 2004, 38, 6005-6015.	4.1	68
134	Total Vapor Pressure Measurements for 2-Ethoxyethanol with Carbon Tetrachloride, Chloroform, and Dichloromethane at 303.15 K. <i>Journal of Chemical & Engineering Data</i> , 2004, 49, 510-513.	1.9	10
135	Total Vapor Pressure Measurements for 2-Ethoxyethanol with Methyl Acetate, Ethyl Acetate, Propyl Acetate, and Ethyl Propionate at 313.15 K and for 2-Ethoxyethanol with Methyl Formate at 308.15 K. <i>Journal of Chemical & Engineering Data</i> , 2003, 48, 92-96.	1.9	14
136	Synthesis and Characterization of Amorphous Metallic Alloy Thin Films for MEMS Applications. <i>Materials Research Society Symposia Proceedings</i> , 2003, 806, 315.	0.1	2
137	Total Vapor Pressure Measurements for 2-Ethoxyethanol with Methanol, Ethanol, 1-Propanol, and 2-Propanol at 313.15 K. <i>Journal of Chemical & Engineering Data</i> , 2002, 47, 1355-1358.	1.9	13
138	Thermodynamics of mixtures containing alkoxyethanols. Part XV. DISQUAC characterization of systems of alkoxyethanols with n-alkanes or cyclohexane. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 2856-2865.	2.8	67
139	Sorption of benzene, tetrahydrofuran and 2-butanone by poly(vinyl acetate) at 323.15 K using a quartz crystal balance. <i>Fluid Phase Equilibria</i> , 2001, 179, 181-191.	2.5	15
140	Total pressure measurements for benzene with 1-propanol, 2-propanol, 1-pentanol, 3-pentanol, and 2-methyl-2-butanol at 313.15 K. <i>Fluid Phase Equilibria</i> , 2001, 179, 217-229.	2.5	22
141	Thermodynamic properties of (n-alkoxyethanols + organic solvents). XII. Total vapour pressure measurements for (n-hexane, n-heptane or cyclohexane + 2-methoxyethanol) at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2001, 33, 47-59.	2.0	38
142	Thermodynamic Properties of n-Alkoxyethanols + Organic Solvent Mixtures. XI. Total Vapor Pressure Measurements for n-Hexane, Cyclohexane or n-Heptane + 2-Ethoxyethanol at 303.15 and 323.15 K. <i>Journal of Chemical & Engineering Data</i> , 2000, 45, 699-703.	1.9	39
143	VIRIAL COEFFICIENTS FOR THE HARD GAUSSIAN OVERLAP MODEL. <i>International Journal of Modern Physics C</i> , 1999, 10, 361-374.	1.7	15
144	Comparisons of Polymer/Gas Partition Coefficients Calculated from Responses of Thickness Shear Mode and Surface Acoustic Wave Vapor Sensors. <i>Analytical Chemistry</i> , 1998, 70, 199-203.	6.5	64

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145	Total Vapor Pressure Measurements for Heptane + 1-Pentanol, + 2-Pentanol, + 3-Pentanol, + 2-Methyl-1-butanol, + 2-Methyl-2-butanol, + 3-Methyl-1-butanol, and + 3-Methyl-2-butanol at 313.15 K. Journal of Chemical & Engineering Data, 1997, 42, 731-734.	1.9	23
146	Examination of mass and modulus contributions to thickness shear mode and surface acoustic wave vapour sensor responses using partition coefficients. Faraday Discussions, 1997, 107, 259-283.	3.2	49
147	Total pressure measurements for 1-propanol + 1-pentanol, 1-propanol + 2-pentanol, 2-propanol + 1-pentanol, and 2-propanol + 2-pentanol at 313.15 K. Fluid Phase Equilibria, 1997, 127, 147-153.	2.5	16
148	Sorption of benzene, toluene and chloroform by poly(styrene) at 298.15 K and 323.15 K using a quartz crystal balance. Fluid Phase Equilibria, 1997, 139, 371-389.	2.5	24
149	Binary Total Pressure Measurements for Methanol with 1-Pentanol, 2-Pentanol, 3-Pentanol, 2-Methyl-1-butanol, 2-Methyl-2-butanol, 3-Methyl-1-butanol, and 3-Methyl-2-butanol at 313.15 K. Journal of Chemical & Engineering Data, 1996, 41, 1138-1140.	1.9	22
150	Total Pressure Measurements for Chloroform + Acetone + 2-Butanone at 303.15 K. Journal of Chemical & Engineering Data, 1995, 40, 210-213.	1.9	9
151	Total Pressure Measurements for Chloroform + Acetone + Toluene at 303.15 K. Journal of Chemical & Engineering Data, 1994, 39, 488-492.	1.9	12
152	Vapor-liquid equilibrium data for ethanol-n-heptane-1-propanol and ethanol-n-heptane-2-propanol and their interpretation by a simple association model. Fluid Phase Equilibria, 1993, 84, 183-206.	2.5	32
153	Conformation effects on the absorption spectra of macromolecules. Macromolecules, 1993, 26, 479-484.	4.8	6
154	Total pressure measurements for pentane + methanol + ethanol at 303.15 K. Journal of Chemical & Engineering Data, 1992, 37, 127-130.	1.9	21
155	Total pressure measurements for n-pentane-methanol-2-butanol at 303.15 K. Journal of Chemical & Engineering Data, 1991, 36, 374-378.	1.9	22
156	Computer-simulation study of melting in dense oxygen layers on graphite. Physical Review B, 1990, 41, 9480-9487.	3.2	33
157	Computer simulations of monolayer and bilayer nitrogen films at low temperature. Journal of Chemical Physics, 1989, 91, 4346-4352.	3.0	23
158	Triplet correlation functions for fluids of nonspherical molecules. Molecular Physics, 1989, 68, 659-669.	1.7	2
159	Simulations of O ₂ adsorbed on graphite at 45 K: the monolayer to bilayer transition. Canadian Journal of Chemistry, 1988, 66, 866-874.	1.1	15
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