Alan K Burnham

List of Publications by Year
in descending order

176	13,540	53751 45	22147 113
papers	citations	h-index	g-index

180	180	180	7691
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modeling petroleum generation, retention, and expulsion from the Vaca Muerta Formation, NeuquÃ©n Basin, Argentina: Part I. integrating compositional kinetics and basin modeling. Marine and Petroleum Geology, 2021, 123, 104743.	1.5	5
2	Insight into Polyethylene and Polypropylene Pyrolysis: Global and Mechanistic Models. Energy & Fuels, 2021, 35, 6765-6775.	2.5	40
3	Effect of pressure on TATB and LX-17 thermal decomposition. Thermochimica Acta, 2021, 699, 178908.	1.2	17
4	Historical Perspective on the Maturation of Modeling Coal and Kerogen Pyrolysis. Energy & Fuels, 2021, 35, 10451-10460.	2.5	6
5	Experimental Investigation of the Thermal Decomposition Pathways and Kinetics of TATB by Isotopic Substitution. Propellants, Explosives, Pyrotechnics, 2021, 46, 1352-1366.	1.0	14
6	Scaling analysis of coupled compaction, kerogen conversion, and petroleum expulsion during geological maturation. Journal of Petroleum Science and Engineering, 2020, 192, 107285.	2.1	2
7	Permeability and Porosity Evolution of Organic-Rich Shales from the Green River Formation as a Result of Maturation. SPE Journal, 2020, 25, 1377-1405.	1.7	18
8	ICTAC Kinetics Committee recommendations for analysis of multi-step kinetics. Thermochimica Acta, 2020, 689, 178597.	1.2	482
9	Permeability and Porosity Evolution of Organic Rich Shales as a Result of Heating. , 2019, , .		2
10	Kinetic models of vitrinite, kerogen, and bitumen reflectance. Organic Geochemistry, 2019, 131, 50-59.	0.9	60
11	Thermomechanical properties of the Garden Gulch Member of the Green River Formation. Fuel, 2018, 219, 477-491.	3.4	13
12	Guidelines for kinetic input to petroleum system models from open-system pyrolysis. Marine and Petroleum Geology, 2018, 92, 979-986.	1.5	41
13	Oil, bitumen, and other confusing concepts: What do lab experiments really tell us?. AAPG Bulletin, 2018, 102, 653-669.	0.7	19
14	Van Krevelen Diagrams. Techniques in Dentistry and Oral & Maxillofacial Surgery, 2018, , 1-5.	0.0	3
15	Use and misuse of logistic equations for modeling chemical kinetics. Journal of Thermal Analysis and Calorimetry, 2017, 127, 1107-1116.	2.0	34
16	Response to statements by Professor ÅestÃ¡k concerning logistic equations in kinetics. Journal of Thermal Analysis and Calorimetry, 2017, 127, 1127-1129.	2.0	6
17	A Thermoplasticity Model for Oil Shale. Rock Mechanics and Rock Engineering, 2017, 50, 677-688.	2.6	15
18	Structures of Coal, Kerogen, and Asphaltenes. , 2017, , 75-105.		4

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19	Pyrolysis in Open Systems. , 2017, , 107-169.		1
20	Applications to Fossil Fuel Processes. , 2017, , 273-312.		0
21	Pyrolysis in Closed Systems. , 2017, , 205-272.		1
22	Hierarchical Coarsening of Simulation Model for In-Situ Upgrading Process. , 2017, , .		2
23	Global Chemical Kinetics of Fossil Fuels. , 2017, , .		79
24	Pyrolysis in Semi-Open Systems. , 2017, , 171-203.		1
25	Introduction to Chemical Kinetics. , 2017, , 25-74.		17
26	Porosity and permeability of Green River oil shale and their changes during retorting. Fuel, 2017, 203, 208-213.	3.4	51
27	Simple Relative Sorptivity Model of Petroleum Expulsion. Energy & Fuels, 2017, 31, 9308-9318.	2.5	15
28	Quantification of organic content in shales via near-infrared imaging: Green River Formation. Fuel, 2017, 208, 337-352.	3.4	8
29	Multiscale Characterization of Spatial Heterogeneity of Petroleum Source Rocks via Near-Infrared Spectroscopy. , 2017, , .		4
30	Petroleum generation kinetics: Single versus multiple heating-ramp open-system pyrolysis: Reply. AAPG Bulletin, 2016, 100, 690-694.	0.7	21
31	From optics to upscaled thermal conductivity: Green River oil shale. Fuel, 2016, 183, 489-500.	3.4	12
32	Impact of Laboratory-Induced Thermal Maturity on Asphaltene Molecular Structure. Energy & Fuels, 2016, 30, 7025-7036.	2.5	25
33	Quantification of kerogen content in organic-rich shales from optical photographs. Fuel, 2016, 177, 63-75.	3.4	11
34	A Simple Kinetic Model of Oil Generation, Vaporization, Coking, and Cracking. Energy & Fuels, 2015, 29, 7156-7167.	2.5	27
35	Analysis, occurrence, and reactions of dawsonite in AMSO well CH-1. Fuel, 2015, 144, 259-263.	3.4	10
36	Kinetics of Propane Cracking Related to Its Use as a Heat-Transfer Fluid. Energy & Fuels, 2015, 29, 711-716.	2.5	3

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37	Critical Review of the Global Chemical Kinetics of Cellulose Thermal Decomposition. Energy & Fuels, 2015, 29, 2906-2918.	2.5	138
38	Petroleum generation kinetics: Single versus multiple heating-ramp open-system pyrolysis. AAPG Bulletin, 2015, 99, 591-616.	0.7	79
39	Semi-Open Pyrolysis of Oil Shale from the Garden Gulch Member of the Green River Formation. Energy & Fuels, 2014, 28, 7426-7439.	2.5	46
40	Acid demineralization with critical point drying: A method for kerogen isolation that preserves microstructure. Fuel, 2014, 135, 492-497.	3.4	43
41	Obtaining reliable phenomenological chemical kinetic models for real-world applications. Thermochimica Acta, 2014, 597, 35-40.	1.2	29
42	Green River Oil Shale Pyrolysis: Semi-Open Conditions. Energy & Fuels, 2013, 27, 6447-6459.	2.5	89
43	A Multi-Measurement Core-Log Integration for Advanced Formation Evaluation of Source Rock Formations: A Green River Case study. , 2013, , .		2
44	Simultaneous determination of diffusion and sublimation kinetics at nanoscale: Pentaerythritol tetranitrate. Applied Physics Letters, 2013, 102, 163104.	1.5	4
45	Total Organic Carbon and Formation Evaluation with Wireline Logs in the Green River Oil Shale. , 2011, , .		40
46	ICTAC Kinetics Committee recommendations for performing kinetic computations on thermal analysis data. Thermochimica Acta, 2011, 520, 1-19.	1.2	4,299
47	Chemistry and Kinetics of Oil Shale Retorting. ACS Symposium Series, 2010, , 115-134.	0.5	16
48	AMSOâ€™s Novel Approach to In-Situ Oil Shale Recovery. ACS Symposium Series, 2010, , 149-160.	0.5	15
49	Carbon Dioxide Emissions from Oil Shale Derived Liquid Fuels. ACS Symposium Series, 2010, , 219-248.	0.5	5
50	Pressure-Dependent Decomposition Kinetics of the Energetic Material HMX up to 3.6 GPa. Journal of Physical Chemistry A, 2009, 113, 13548-13555.	1.1	44
51	Comparison of kinetic and thermodynamic parameters of single crystal pentaerythritol tetranitrate using atomic force microscopy and thermogravimetric analysis: Implications on coarsening mechanisms. Journal of Applied Physics, 2009, 105, 104312.	1.1	19
52	Evaporation from the (110) surface of PETN. Journal of Crystal Growth, 2008, 310, 3812-3819.	0.7	8
53	An LX-10 Kinetic Model Calibrated Using Simulations of Multiple Small-Scale Thermal Safety Tests. Journal of Physical Chemistry A, 2008, 112, 9005-9011.	1.1	15
54	Calibration of Chemical Kinetic Models Using Simulations of Small-Scale Cookoff Experiments. , 2008, , .		2

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55	Calibration Methods for the Extended Prout-Tompkins Chemical Kinetics Model and Derived Cookoff Parameters for RDX, HMX, LX-10 and PBXN-109. , 2007, , 625.		2
56	Evolution of a solid state laser. , 2007, 6552, 24.		16
57	Vapor Pressure and Sublimation Rate of Molecular Crystals:Â Role of Internal Degrees of Freedom. Journal of Physical Chemistry B, 2007, 111, 14290-14294.	1.2	17
58	Application of Global Kinetic Models to HMX Î²â˜'Î´ Transition and Cookoff Processes. Journal of Physical Chemistry A, 2007, 111, 1575-1584.	1.1	23
59	Quantitative Thermodynamic Analysis of Sublimation Rates Using an Atomic Force Microscope. Journal of Physical Chemistry B, 2007, 111, 9182-9185.	1.2	30
60	A historical and current perspective on predicting thermal cookoff behavior. Journal of Thermal Analysis and Calorimetry, 2007, 89, 407-415.	2.0	49
61	Exploring the physical, chemical and thermal characteristics of a new potentially insensitive high explosive RX-55-AE-5. Journal of Thermal Analysis and Calorimetry, 2007, 89, 465-473.	2.0	26
62	Thermodynamic analysis of pure and impurity doped pentaerythritol tetranitrate crystals grown at room temperature. Journal of Thermal Analysis and Calorimetry, 2007, 89, 475-478.	2.0	18
63	A comparison of isoconversional and model-fitting approaches to kinetic parameter estimation and application predictions. Journal of Thermal Analysis and Calorimetry, 2007, 89, 479-490.	2.0	196
64	Model-Based Processing of Microcantilever Sensor Arrays. Journal of Microelectromechanical Systems, 2006, 15, 1379-1391.	1.7	3
65	Properties of CP: Coefficient of Thermal Expansion, Decomposition Kinetics, Reaction to Spark, Friction and Impact. Propellants, Explosives, Pyrotechnics, 2006, 31, 239-245.	1.0	6
66	Kinetics of thermal degradation of explosive binders Viton A, Estane, and Kel-F. Thermochimica Acta, 2005, 426, 85-92.	1.2	61
67	An nth-order Gaussian energy distribution model for sintering. Chemical Engineering Journal, 2005, 108, 47-50.	6.6	25
68	Coefficient of Thermal Expansion of the Beta and Delta Polymorphs of HMX. Propellants, Explosives, Pyrotechnics, 2005, 30, 344-350.	1.0	21
69	Intelligent Signal Processing for Detection System Optimization. Analytical Chemistry, 2005, 77, 4051-4057.	3.2	6
70	Assessment of various kinetic models for the pyrolysis of a microgranular cellulose. Thermochimica Acta, 2004, 417, 79-89.	1.2	214
71	A Distributed Activation Energy Model of Thermodynamically Inhibited Nucleation and Growth Reactions and Its Application to the Î²â˜'Î´ Phase Transition of HMX. Journal of Physical Chemistry B, 2004, 108, 19432-19441.	1.2	82
72	Laser-induced damage in deuterated potassium dihydrogen phosphate. Applied Optics, 2003, 42, 5483.	2.1	85

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73	Surface chemistry and trimethylsilyl functionalization of StÃ¶ber silica sols. Journal of Non-Crystalline Solids, 2003, 316, 349-363.	1.5	111
74	Methods for mitigating growth of laser-initiated surface damage on DKDP optics at 351 nm. , 2003, , .		13
75	Identification and elimination of fluorescent surface-damage precursors on DKDP optics. , 2003, , .		2
76	Developing KH2PO4and KD2PO4crystals for the world's most power laser. International Materials Reviews, 2002, 47, 113-152.	9.4	425
77	Methods for mitigating surface damage growth in NIF final optics. , 2002, 4679, 23.		30
78	Investigation of fluorescence microscopy as a tool for noninvasive detection and imaging of damage precursors at 351 nm. , 2002, , .		8
79	Performance of bare and sol-gel-coated DKDP crystal surfaces exposed to multiple 351-nm laser pulses in vacuum and air. , 2002, , .		4
80	Improving 351-nm damage performance of large-aperture fused silica and DKDP optics. , 2002, , .		29
81	Results of raster-scan laser conditioning studies on DKDP triplers using Nd:YAG and excimer lasers. , 2002, 4679, 368.		11
82	Differences in bulk damage probability distributions between tripler and z-cuts of KDP and DKDP at 355 nm. , 2001, , .		12
83	Mechanisms to explain damage growth in optical materials. , 2001, 4347, 277.		23
84	Low-temperature growth of DKDP for improving laser-induced damage resistance at 350 nm. , 2001, 4347, 373.		7
85	Results of pulse-scaling experiments on rapid-growth DKDP triplers using the Optical Sciences Laser at 351 nm. , 2001, , .		16
86	Effect of thermal annealing and second harmonic generation on bulk damage performance of rapid-growth KDP type-I doublers at 1064 nm. , 2001, , .		11
87	Laser-induced material modification in the bulk KDP crystals. , 2000, 3902, 428.		1
88	Computational aspects of kinetic analysis. Thermochimica Acta, 2000, 355, 125-143.	1.2	746
89	Computational aspects of kinetic analysis.. Thermochimica Acta, 2000, 355, 165-170.	1.2	229
90	Title is missing!. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 2000, 60, 895-908.	1.4	80

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91	Surface defect generation in optical materials under high fluence laser irradiation in vacuum. Electronics Letters, 2000, 36, 566.	0.5	20
92	<title>Rapid growth of very large KDP and KD*P crystals in support of the National Ignition Facility</title>. , 2000, , .		12
93	Effect of vacuum on the occurrence of UV-induced surface photoluminescence, transmission loss, and catastrophic surface damage. , 2000, 4134, 243.		17
94	Thin film contamination effects on laser-induced damage of fused silica surfaces at 355 nm. , 1999, 3492, 212.		1
95	Hypervelocity shrapnel damage assessment in the nif target chamber. International Journal of Impact Engineering, 1999, 23, 933-944.	2.4	16
96	Transport properties of hydrogen isotopes in boron carbide structures. Journal of Nuclear Materials, 1999, 266-269, 819-824.	1.3	7
97	Global Kinetic Analysis of Complex Materials. Energy & Fuels, 1999, 13, 1-22.	2.5	474
98	Achieving and maintaining cleanliness in NIF amplifiers. , 1999, 3492, 609.		8
99	Constraints on target chamber first wall and target designs that will enable NIF debris shields to survive. , 1999, 3492, 730.		1
100	Management of unconverted light for the National Ignition Facility target chamber. , 1999, 3492, 718.		0
101	Method for reducing the effect of environmental contamination of sol-gel optical coatings. , 1999, 3492, 220.		34
102	Thermal dealkylation of dodecylbenzene and dodecylcyclohexane. Organic Geochemistry, 1998, 28, 755-758.	0.9	17
103	Thin film contamination effects on laser-induced damage of fused silica surfaces at 355 nm. , 1998, 3244, 499.		2
104	Experimental and Analytical Studies of Louvered First-Wall Systems for NIF. Fusion Science and Technology, 1998, 34, 459-463.	0.6	3
105	<title>Lifetime survivability of contaminated target-chamber optics</title>. , 1997, 2966, 463.		1
106	Evaluation of B₄C as an Ablator Material for NIF Capsules. Fusion Science and Technology, 1997, 31, 456-462.	0.6	17
107	Reactivity of Paper Residues Produced by a Hydrothermal Pretreatment Process for Municipal Solid Wastes. Energy & Fuels, 1997, 11, 98-106.	2.5	12
108	Pyrolysis Decomposition Kinetics of Cellulose-Based Materials by Constant Heating Rate Micropyrolysis. Energy & Fuels, 1997, 11, 88-97.	2.5	53

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109	Decomposition kinetics and mechanism of n-hexadecane-1,2-13C2 and dodec-1-ene-1,2-13C2 doped in petroleum and n-hexadecane. Geochimica Et Cosmochimica Acta, 1997, 61, 3725-3737.	1.6	56
110	Hydrous pyrolysis of New Albany and Phosphoria Shales: production kinetics of carboxylic acids and light hydrocarbons and interactions between the inorganic and organic chemical systems. Organic Geochemistry, 1997, 27, 477-496.	0.9	66
111	An Appropriate Kinetic Model for Well-Preserved Algal Kerogens. Energy & Fuels, 1996, 10, 49-59.	2.5	97
112	Symposium on New Insights into the Generation and Stability of Oil and Gas from Laboratory to Field Studies:Â An Introduction. Energy & Fuels, 1996, 10, 2-2.	2.5	1
113	Modeling and Experiments of X-Ray Ablation of National Ignition Facility First Wall Materials. Fusion Science and Technology, 1996, 30, 757-763.	0.6	18
114	Target Area Design Issues for Implementing Direct Drive on the National Ignition Facility. Fusion Science and Technology, 1996, 30, 457-463.	0.6	4
115	Confinement of Ignition and Yield on the National Ignition Facility. Fusion Science and Technology, 1996, 30, 504-511.	0.6	3
116	Development and Evaluation of First Wall Materials for the National Ignition Facility. Fusion Science and Technology, 1996, 30, 730-735.	0.6	7
117	Comments on Lerche (1993) and Liu and Lerche (1993). Mathematical Geosciences, 1995, 27, 693-701.	0.9	0
118	Relationship between Hydrous and Ordinary Pyrolysis. , 1995, , 211-227.		3
119	Unraveling the Kinetics of Petroleum Destruction by Using 1,2-13C Isotopically Labeled Dopants. Energy & Fuels, 1995, 9, 190-191.	2.5	25
120	Comparison of kinetic analysis of source rocks and kerogen concentrates. Organic Geochemistry, 1995, 23, 11-19.	0.9	66
121	Kinetic analysis of California petroleum source rocks by programmed temperature micropyrolysis. Organic Geochemistry, 1995, 23, 109-120.	0.9	33
122	Temperature and pressure dependence of n-hexadecane cracking. Organic Geochemistry, 1995, 23, 941-953.	0.9	115
123	A test of the parallel reaction model using kinetic measurements on hydrous pyrolysis residues. Organic Geochemistry, 1995, 23, 931-939.	0.9	60
124	Chemical Kinetics and Oil Shale Process Design. , 1995, , 263-276.		5
125	Determination of Kinetic Parameters for the Dehydration of Calcium Oxalate Monohydrate by Diffuse Reflectance FT-IR Spectroscopy. Applied Spectroscopy, 1994, 48, 561-568.	1.2	28
126	Comments on â€œThe effects of the mineral matrix on the determination of kinetic parameters using modified Rock-Eval pyrolysisâ€•by H. Dembicki Jr, and the resulting comment by R. Pelet. Organic Geochemistry, 1994, 21, 985-986.	0.9	18

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127	Gas cell for on-line transmission Fourier transform infrared spectrometry. Vibrational Spectroscopy, 1993, 4, 365-371.	1.2	0
128	Kerogen model breakdown: Comments to Lerche (1991) and Liu and Lerche (1990). Mathematical Geosciences, 1993, 25, 81-89.	0.9	3
129	Pyrolysis kinetics and maturation of coals from the San Juan basin. Energy & Fuels, 1993, 7, 610-619.	2.5	33
130	Detailed chemical kinetics study of the role of pressure in butane pyrolysis. Industrial & Engineering Chemistry Research, 1992, 31, 37-45.	1.8	32
131	PMOD: a flexible model of oil and gas generation, cracking, and expulsion. Organic Geochemistry, 1992, 19, 161-172.	0.9	104
132	Oil and gas evolution kinetics for oil shale and petroleum source rocks determined from pyrolysis-TQMS data at two heating rates. Energy & Fuels, 1992, 6, 468-474.	2.5	36
133	Pyrolysis kinetics for lacustrine and marine source rocks by programmed micropyrolysis. Energy & Fuels, 1991, 5, 192-204.	2.5	106
134	Oil evolution from a self-purging reactor: kinetics and composition at 2.degree.C/min and 2.degree.C/h. Energy & Fuels, 1991, 5, 205-214.	2.5	40
135	Analysis of oil shale and petroleum source rock pyrolysis by triple quadrupole mass spectrometry: comparisons of gas evolution at the heating rate of 10.degree.C/min. Energy & Fuels, 1991, 5, 507-523.	2.5	53
136	Reply to comments by S. B. Nielsen and T. Barth on â€œA chemical kinetic model of vitrinite maturation and reflectanceâ€ Geochimica Et Cosmochimica Acta, 1991, 55, 643-644.	1.6	7
137	Overenergetic Oversight at DOE. Physics Today, 1991, 44, 13-15.	0.3	1
138	Mathematical model of oil generation, degradation, and expulsion. Energy & Fuels, 1990, 4, 132-146.	2.5	132
139	Development of a detailed model of petroleum formation, destruction, and expulsion from lacustrine and marine source rocks. Organic Geochemistry, 1990, 16, 27-39.	0.9	139
140	Pyrolysis kinetics applied to prediction of oil generation in the Maracaibo Basin, Venezuela. Organic Geochemistry, 1990, 16, 189-196.	0.9	21
141	On solar thermal processing and retorting of oil shale. Energy, 1989, 14, 667-674.	4.5	11
142	A chemical kinetic model of vitrinite maturation and reflectance. Geochimica Et Cosmochimica Acta, 1989, 53, 2649-2657.	1.6	565
143	On the validity of the Pristane Formation Index. Geochimica Et Cosmochimica Acta, 1989, 53, 1693-1697.	1.6	48
144	Pyrolysis of Argonne premium coals: activation energy distributions and related chemistry. Energy & Fuels, 1989, 3, 42-55.	2.5	91

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145	Comments on â€œSulphur Isotope Composition of H2S Evolved During Nonisothermal Pyrolysis of Sulphur-Containing Materialsâ€•by H.R. Krouse, R.G.S. Ritchie and R.S. Roche. Journal of Analytical and Applied Pyrolysis, 1988, 14, 1-2.	2.6	1
146	Further comparison of methods for measuring kerogen pyrolysis rates and fitting kinetic parameters. Organic Geochemistry, 1988, 13, 839-845.	0.9	58
147	Oxidation kinetics for thin rareâ€earth metal films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1987, 5, 1713-1716.	0.9	19
148	Fabrication of polyvinyl alcohol coated polystyrene shells. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1987, 5, 3417-3421.	0.9	18
149	Analysis of chemical reaction kinetics using a distribution of activation energies and simpler models. Energy & Fuels, 1987, 1, 153-161.	2.5	316
150	Comparison of methods for measuring kerogen pyrolysis rates and fitting kinetic parameters. Energy & Fuels, 1987, 1, 452-458.	2.5	250
151	Kinetics of Colorado oil shale pyrolysis in a fluidized-bed reactor. Fuel, 1986, 65, 218-222.	3.4	39
152	Shale oil cracking kinetics and diagnostics. Industrial & Engineering Chemistry Process Design and Development, 1985, 24, 381-386.	0.6	16
153	Heat of combustion of Green River oil shale. Industrial & Engineering Chemistry Process Design and Development, 1984, 23, 234-236.	0.6	4
154	Identification by 13C n.m.r. of carbon types in shale oil and their relation to pyrolysis conditions. Fuel, 1984, 63, 909-914.	3.4	29
155	On the mechanism of kerogen pyrolysis. Fuel, 1984, 63, 1353-1356.	3.4	99
156	Determination of sulfur-containing gases from oil shale pyrolysis by triple quadrupole mass spectrometry. Analytical Chemistry, 1984, 56, 390-395.	3.2	26
157	Pyrolysis kinetics for Green River oil shale from the saline zone. Fuel, 1983, 62, 1199-1204.	3.4	42
158	High-Pressure Pyrolysis of Green River Oil Shale. ACS Symposium Series, 1983, , 335-351.	0.5	29
159	Occurrence of Biomarkers in Green River Shale Oil. ACS Symposium Series, 1983, , 433-456.	0.5	1
160	Heats of combustion of retorted and burnt Colorado oil shale. Industrial & Engineering Chemistry Process Design and Development, 1982, 21, 485-489.	0.6	2
161	Biological markers from Green River kerogen decomposition. Geochimica Et Cosmochimica Acta, 1982, 46, 1243-1251.	1.6	66
162	SO2 emissions from the oxidation of retorted oil shale. Fuel, 1982, 61, 781-782.	3.4	6

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163	Gas evolution during pyrolysis of various Colorado oil shales. Fuel, 1982, 61, 1188-1196.	3.4	65
164	Effects of gas environment on mineral reactions in Colorado oil shale. Fuel, 1980, 59, 871-877.	3.4	58
165	Review: Richard Morris Hunt by Paul R. Baker. Journal of the Society of Architectural Historians, 1980, 39, 331-332.	0.1	0
166	A comparison of effective polarizabilities from electroâ€optical experiments using microscopic and macroscopic theories of the local electric field. Journal of Chemical Physics, 1980, 73, 4822-4831.	1.2	28
167	Reaction kinetics between CO2 and oil-shale residual carbon. 2. Partial-pressure and catalytic-mineral effects. Fuel, 1979, 58, 713-718.	3.4	21
168	Reaction kinetics between steam and oil-shale residual carbon. Fuel, 1979, 58, 719-723.	3.4	18
169	Reaction kinetics between CO2 and oil-shale residual carbon. 1. Effect of heating rate on reactivity. Fuel, 1979, 58, 285-292.	3.4	37
170	Kerr constants, depolarization ratios, and hyperpolarizabilities of substituted methanes. Journal of Chemical Physics, 1977, 67, 4990-4995.	1.2	31
171	Light scattering studies of orientational pair correlations in liquids composed of anisometric molecules. Journal of Chemical Physics, 1977, 66, 605-616.	1.2	45
172	Estimation of local and nonlocal magnetic susceptibilities and a comparison of magnetic and thermodynamic criteria of aromaticity for 2-methoxypyridine and 1-methyl-2-pyridone. Journal of the American Chemical Society, 1977, 99, 1836-1844.	6.6	176
173	Measurement of the dispersion in polarizability anisotropies. Journal of Chemical Physics, 1975, 63, 3321-3326.	1.2	333
174	The local electric field. I. The effect on isotropic and anisotropic Rayleigh scattering. Journal of Chemical Physics, 1975, 62, 3289-3297.	1.2	110
175	Molecular zeeman effect and magnetic susceptibility anisotropies of oxazole and isoxazole. Magnetic measure of aromatic character. Journal of the American Chemical Society, 1974, 96, 7394-7396.	6.6	43
176	Identification and estimation of neutral organic contaminants in potable water. Analytical Chemistry, 1972, 44, 139-142.	3.2	212