

Ian R Collins

List of Publications by Year in descending order

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41
papers

1,327
citations

331670

21
h-index

345221

36
g-index

42
all docs

42
docs citations

42
times ranked

1532
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of organic species with “double-sided tape” characteristics on the surface of carbonate reservoir rock. <i>Fuel</i> , 2021, 288, 119627.	6.4	10
2	Water/oil interfacial tension reduction “an interfacial entropy driven process. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 25075-25085.	2.8	17
3	Sequential extraction and characterization of the organic layer on sandstone reservoir rock surface. <i>Fuel</i> , 2020, 276, 118062.	6.4	8
4	Probing the Interactions of Dolomite Surfaces with Oil at the Molecular Scale. <i>Energy & Fuels</i> , 2019, 33, 6161-6169.	5.1	2
5	Time-lapse imaging of particle invasion and deposition in porous media using in situ X-ray radiography. <i>Journal of Petroleum Science and Engineering</i> , 2019, 177, 384-391.	4.2	11
6	Salinity-dependent contact angle alteration in oil/brine/silicate systems: The effect of temperature. <i>Journal of Petroleum Science and Engineering</i> , 2018, 165, 1040-1048.	4.2	16
7	A Systematic Investigation of Factors Affecting the Formation of Zinc Sulfide (ZnS). <i>SPE Production and Operations</i> , 2017, 32, 314-324.	0.6	1
8	Insights From Ion Adsorption and Contact-Angle Alteration at Mineral Surfaces for Low-Salinity Waterflooding. <i>SPE Journal</i> , 2016, 21, 1204-1213.	3.1	39
9	Ion adsorption-induced wetting transition in oil-water-mineral systems. <i>Scientific Reports</i> , 2015, 5, 10519.	3.3	119
10	Adsorption of Aerosol-OT at the calcite/water interface “ Comparison of the sodium and calcium salts. <i>Journal of Colloid and Interface Science</i> , 2014, 418, 140-146.	9.4	22
11	One-pot synthesis of responsive sulfobetaine nanoparticles by RAFT polymerisation: the effect of branching on the UCST cloud point. <i>Polymer Chemistry</i> , 2014, 5, 1023-1030.	3.9	88
12	How Naturally Adsorbed Material on Minerals Affects Low Salinity Enhanced Oil Recovery. <i>Energy & Fuels</i> , 2014, 28, 4849-4858.	5.1	60
13	Functional Degradable Polymers by Xanthate-Mediated Polymerization. <i>Macromolecules</i> , 2014, 47, 2847-2852.	4.8	76
14	Neutron Reflection at the Calcite-Liquid Interface. , 2012, , 91-99.		2
15	Identification and characterisation of 2-aminopyridine inhibitors of checkpoint kinase 2. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 707-718.	3.0	50
16	Identification by High-Throughput Screening of Viridin Analogs as Biochemical and Cell-Based Inhibitors of the Cell Cycle “Regulated Nek2 Kinase. <i>Journal of Biomolecular Screening</i> , 2010, 15, 918-927.	2.6	30
17	Aminopyrazine Inhibitors Binding to an Unusual Inactive Conformation of the Mitotic Kinase Nek2: SAR and Structural Characterization. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 7682-7698.	6.4	63
18	Low Sulfate Seawater Injection for Barium Sulfate Scale Control: A Life-of-Field Solution to a Complex Challenge. <i>SPE Production and Operations</i> , 2008, 23, 192-209.	0.6	24

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19	Rapid fluid-rock interaction in oilfield reservoirs. <i>Geology</i> , 2007, 35, 1143.	4.4	17
20	Placement Using Viscosified Non Newtonian Scale Inhibitor Slugs: The Effect of Shear-Thinning. <i>SPE Production and Operations</i> , 2007, 22, 434-441.	0.6	8
21	Identification of Small-Molecule Inhibitors of Protein Kinase B (PKB/AKT) in an AlphaScreen [®] , [†] High-Throughput Screen. <i>Journal of Biomolecular Screening</i> , 2006, 11, 822-827.	2.6	30
22	Coreflood Studies Examine New Technologies That Minimize Intervention Throughout Well Life Cycle. <i>SPE Production and Operations</i> , 2006, 21, 161-173.	0.6	4
23	Scale Control Within the North Sea Chalk/Limestone Reservoirs [†] —The Challenge of Understanding and Optimizing Chemical-Placement Methods and Retention Mechanisms: Laboratory to Field. <i>SPE Production and Operations</i> , 2005, 20, 262-273.	0.6	11
24	Sol [†] —Gel Chemistry for Ba ²⁺ Sensors to Allow Oil Production Engineered Nanometrically. <i>Journal of Sol-Gel Science and Technology</i> , 2004, 32, 229-236.	2.4	3
25	Occurrence, Prediction, and Prevention of Zinc Sulfide Scale Within Gulf Coast and North Sea High-Temperature and High-Salinity Fields. <i>SPE Production and Operations</i> , 2003, 18, 200-209.	0.6	30
26	The Development and Application of a Novel Scale Inhibitor Deployment System. <i>SPE Production and Operations</i> , 2002, 17, 221-228.	0.6	7
27	A Surface Sensitive Study of the Influence of Corrosion Inhibitor on Chemical Scale Inhibition. , 2002, , .		3
28	FT-IR and Raman Spectroscopic Characterization of the Major Oilfield Sulfate Scale Forming Minerals. <i>Applied Spectroscopy</i> , 2001, 55, 1155-1160.	2.2	20
29	Surface Electrical Properties of Barium Sulfate Modified by Adsorption of Poly [†] , ^{†2} Aspartic Acid. <i>Journal of Colloid and Interface Science</i> , 1999, 212, 535-544.	9.4	34
30	Field Application of a Scale Inhibitor Squeeze Enhancing Additive. <i>SPE Production and Operations</i> , 1999, 14, 21-29.	0.6	22
31	Advantages of a New Chemical Delivery System for Fractured and Gravel- Packed Wells. <i>SPE Production and Operations</i> , 1999, 14, 210-218.	0.6	14
32	On the Viscosity of Concentrated Aggregated Suspensions. <i>Journal of Colloid and Interface Science</i> , 1996, 178, 361-363.	9.4	11
33	Interaction of Poly(.alpha.,.beta.-aspartate) with Octadecylamine Monolayers: Adsorption Behavior and Effects on CaCO ₃ Crystallization. <i>Langmuir</i> , 1995, 11, 3130-3136.	3.5	40
34	Electrolyte-Induced Aggregation of Gold Particles on Solid Surfaces. <i>Journal of Colloid and Interface Science</i> , 1994, 163, 347-354.	9.4	28
35	The Microstructural Properties of Coagulated Nonaqueous Carbon Black Dispersions. <i>Journal of Colloid and Interface Science</i> , 1993, 155, 471-481.	9.4	9
36	Synthesis and characterisation of colloidal metal and semiconductor particles prepared in microemulsions. <i>Faraday Discussions</i> , 1993, 95, 219.	3.2	69

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37	Nucleation, growth and inhibition of barium sulfate-controlled modification with organic and inorganic additives. Faraday Discussions, 1993, 95, 281.	3.2	128
38	Non-aqueous thermal decomposition route to colloidal inorganic oxides. Journal of Materials Chemistry, 1992, 2, 1277.	6.7	35
39	Top-site adsorption for potassium on Ni(111). Physical Review Letters, 1992, 68, 2786-2789.	7.8	101
40	Electrical properties of the gold-aqueous solution interface. Journal of Colloid and Interface Science, 1992, 152, 197-204.	9.4	53
41	THE PREPARATION AND STABILITY OF COLLOIDAL METAL DISPERSIONS PREPARED BY A TWO-PHASE NON-AQUEOUS ROUTE. Journal of Dispersion Science and Technology, 1991, 12, 403-415.	2.4	12