David L Cocke

List of Publications by Year
in descending order

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45 papers	5,369 citations	201674 27 h-index	254184 43 g-index
49 all docs	49 docs citations	49 times ranked	4106 citing authors

#	Article	IF	Citations
1	Electrochemical remediation of chicken processing plant wastewater. Journal of Environmental Chemical Engineering, 2018, 6, 6028-6036.	6.7	23
2	Treatment of truck wash water using electrocoagulation. Desalination and Water Treatment, 2016, 57, 25991-26002.	1.0	10
3	Removal of Lead Hydroxides Complexes from Solutions Formed in Silver/Gold: Cyanidation Process. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2014, 45, 743-751.	2.1	2
4	Effects of iron oxide nanoparticles on polyvinyl alcohol: interfacial layer and bulk nanocomposites thin film. Journal of Nanoparticle Research, 2010, 12, 2415-2426.	1.9	89
5	Electrochemical treatment of Orange II dye solutionâ€"Use of aluminum sacrificial electrodes and floc characterization. Journal of Hazardous Materials, 2010, 174, 851-858.	12.4	83
6	Electrochemical Reactions for Electrocoagulation Using Iron Electrodes. Industrial & Engineering Chemistry Research, 2009, 48, 2275-2282.	3.7	140
7	Arsenic removal by electrocoagulation using combined Alâ€"Fe electrode system and characterization of products. Journal of Hazardous Materials, 2007, 139, 220-231.	12.4	331
8	Electrocoagulation mechanism for COD removal. Separation and Purification Technology, 2007, 56, 204-211.	7.9	251
9	Electrochemical Generation of Green Rust using Electrocoagulation. ECS Transactions, 2006, 3, 67-78.	0.5	16
10	Arsenic removal via electrocoagulation from heavy metal contaminated groundwater in La Comarca Lagunera MÃ©xico. Journal of Hazardous Materials, 2005, 124, 247-254.	12.4	260
11	An X-ray diffraction (XRD) and Fourier transform infrared spectroscopic (FT-IR) investigation of the long-term effect on the solidification/stabilization (S/S) of arsenic(V) in Portland cement type-V. Science of the Total Environment, 2004, 325, 255-262.	8.0	120
12	Treatment of orange II azo-dye by electrocoagulation (EC) technique in a continuous flow cell using sacrificial iron electrodes. Journal of Hazardous Materials, 2004, 109, 165-171.	12.4	151
13	Fundamentals, present and future perspectives of electrocoagulation. Journal of Hazardous Materials, 2004, 114, 199-210.	12.4	994
14	Water-Related Matrix Isolation Phenomena during NO2 Photolysis in Argon Matrix. Applied Spectroscopy, 2004, 58, 528-534.	2.2	8
15	The Surface Properties of Tetradecyltrimethylammonium Bromide Observed by Capillary Electrophoresis. Journal of Chromatographic Science, 2002, 40, 187-190.	1.4	13
16	Electrochemical Properties Of Copper Oxide Surfaces, Buried Interfaces, And Subsurface Zones And Their Use To Characterize These Entities. Materials Research Society Symposia Proceedings, 2002, 751, 1.	0.1	0
17	Electrocoagulation (EC) â€" science and applications. Journal of Hazardous Materials, 2001, 84, 29-41.	12.4	1,069
18	A Fourier transform infrared spectroscopic investigation of the early hydration of Portland cement and the influence of sodium lignosulfonate. Cement and Concrete Research, 2000, 30, 267-273.	11.0	350

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19	An X-Ray Diffraction, Fourier-Transform Infrared Spectroscopy, and Scanning Electron Microscopy/Energy-Dispersive Spectroscopic Investigation of the Effect of Sodium Lignosulfonate Superplasticizer on the Hydration of Portland Cement Type V. Polymer-Plastics Technology and Engineering, 1999, 38, 849-868.	1.9	15
20	Speciation of silver in cementitious environment. Journal of Hazardous Materials, 1998, 63, 163-177.	12.4	7
21	An X-ray diffraction (XRD) and Fourier transform infrared spectroscopic (FT-IR) characterization of the speciation of arsenic (V) in Portland cement type-V. Science of the Total Environment, 1998, 224, 57-68.	8.0	121
22	Aqueous and Surface Chemistry of Calcium - Metal Hydroxides in High pH Environments. Materials Research Society Symposia Proceedings, 1996, 432, 63.	0.1	2
23	Effect of added lignosulfonate superplasticizer on the solidification/stabilization of phenol using Portland cement typeâ€V. Journal of Environmental Science and Health Part A: Environmental Science and Engineering, 1996, 31, 183-209.	0.1	0
24	Chemical and physical effects of sodium lignosulfonate superplasticizer on the hydration of portland cement and solidification/stabilization consequences. Cement and Concrete Research, 1995, 25, 671-682.	11.0	97
25	The interfacial chemistry of solidification/stabilization of metals in cement and pozzolanic material systems. Waste Management, 1995, 15, 137-148.	7.4	205
26	Solidification/stabilization of toxic metal wastes using coke and coal combustion by-products. Waste Management, 1995, 15, 433-440.	7.4	28
27	Surface and bulk studies of leached and unleached fly ash using XPS, SEM, EDS and FTIR techniques. Cement and Concrete Research, 1994, 24, 109-118.	11.0	41
28	Interactions of clay minerals with organic pollutants. Science of the Total Environment, 1994, 141, 223-240.	8.0	107
29	A Model for Oxide Film Evolution on Alloys and Prediction of Resulting Layer Structure. Materials Research Society Symposia Proceedings, 1994, 355, 421.	0.1	3
30	Multitechnique Approach to Understanding the Microstructure of Cement-Based Systems. Materials Research Society Symposia Proceedings, 1994, 370, 279.	0.1	2
31	Design and Preparation of Heterogeneous Catalysts by Controlled Chemical Reactions with Oxygen and Hydrogen. Materials Research Society Symposia Proceedings, 1994, 368, 121.	0.1	1
32	An FTIR and XPS investigations of the effects of carbonation on the solidification/stabilization of cement based systems-Portland type V with zinc. Cement and Concrete Research, 1993, 23, 773-784.	11.0	183
33	An FTIR investigation of cement based solidification/stabilization systems doped with cadmium. Journal of Environmental Science and Health Part A: Environmental Science and Engineering, 1992, 27, 1213-1227.	0.1	8
34	An infrared spectroscopic examination of cementâ€based solidification/stabilization systems â€•Portland types V and IP with zinc. Journal of Environmental Science and Health Part A: Environmental Science and Engineering, 1992, 27, 1503-1519.	0.1	18
35	Interactions of Montmorillonite with p-Nitro- and p-Methoxyanilines. Clays and Clay Minerals, 1992, 40, 237-239.	1.3	7
36	An FTIR, SEM and EDS investigation of solidification/ stabilization of chromium using portland cement Type V and Type IP. Journal of Hazardous Materials, 1992, 30, 273-283.	12.4	47

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37	Interactions of montmorillonite with organic compounds-adsorptive and catalytic properties. Chemosphere, 1991, 22, 769-798.	8.2	50
38	The binding chemistry and leaching mechanisms of hazardous substances in cementitious solidification/stabilization systems. Journal of Hazardous Materials, 1990, 24, 231-253.	12.4	110
39	An investigation of mercury solidification and stabilization in portland cement using X-ray photoelectron spectroscopy and energy dispersive spectroscopy. Cement and Concrete Research, 1990, 20, 79-91.	11.0	60
40	An XPS and EDS Investigation of Portland Cement Doped with Pb²⁺ and Cr³⁺ Cations. Hazardous Waste and Hazardous Materials, 1989, 6, 251-267.	0.4	38
41	Solidification of hazardous substancesâ€a TGA and FTIR study of Portland cement containing metal nitrates. Journal of Environmental Science and Health Part A, Environmental Science and Engineering, 1989, 24, 589-602.	0.1	29
42	Evidence for Electron Transfer Control of Oxygen Incorporation into Bulk Copper. Journal of the Electrochemical Society, 1987, 134, 643-644.	2.9	45
43	Application of Ion-Scattering Spectroscopy to Catalyst Characterization. Catalysis Reviews - Science and Engineering, 1987, 29, 447-491.	12.9	41
44	Planar Models for Alumina-Based Catalysts. Catalysis Reviews - Science and Engineering, 1984, 26, 163-231.	12.9	151
45	SIMS Evidence Concerning Water in Passive Layers. Journal of the Electrochemical Society, 1982, 129, 2149-2151.	2.9	43