

Kevin C Hewitt

List of Publications by Year in descending order

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38
papers

1,250
citations

430874

18
h-index

361022

35
g-index

38
all docs

38
docs citations

38
times ranked

1632
citing authors

#	ARTICLE	IF	CITATIONS
1	The Electrochemical Reaction of Li with Amorphous Si-Sn Alloys. Journal of the Electrochemical Society, 2003, 150, A149.	2.9	174
2	Economical Sputtering System To Produce Large-Size Composition-Spread Libraries Having Linear and Orthogonal Stoichiometry Variations. Chemistry of Materials, 2002, 14, 3519-3523.	6.7	162
3	Electrochemistry of InSb as a Li Insertion Host: Problems and Prospects. Journal of the Electrochemical Society, 2001, 148, A402.	2.9	128
4	Surface-Sensitive Raman Spectroscopy of Collagen I Fibrils. Biophysical Journal, 2011, 100, 1837-1845.	0.5	116
5	Effect of Heat Treatment on Si Electrodes Using Polyvinylidene Fluoride Binder. Journal of the Electrochemical Society, 2008, 155, A234.	2.9	108
6	Anomalous, High-Voltage Irreversible Capacity in Tin Electrodes for Lithium Batteries. Journal of the Electrochemical Society, 2003, 150, A701.	2.9	87
7	Electronic Raman scattering in underdoped $\text{YBa}_2\text{Cu}_3\text{O}_{6.5}$. Physical Review B, 1997, 56, R513-R516.	3.2	64
8	Synthesis and characterization of gold nanostructured Chlorin e6 for Photodynamic Therapy. Photodiagnosis and Photodynamic Therapy, 2017, 18, 6-11.	2.6	31
9	Isotope shift of the 590 cm^{-1} Raman feature in underdoped $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$. Physical Review B, 1999, 60, R9943-R9946.	3.2	27
10	The amorphous range in sputtered Si-Al-Sn films. Thin Solid Films, 2003, 443, 144-150.	1.8	27
11	Doping dependence of the superconducting gap in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$. Physical Review B, 2002, 66, .	3.2	26
12	Stoichiometry control of magnetron sputtered $\text{Bi}_2\text{Sr}_2\text{Ca}_{1-x}\text{Y}_x\text{Cu}_2\text{O}_y$ ($0 \leq x \leq 0.5$) thin film, composition spread libraries: Substrate bias and gas density factors. Physica C: Superconductivity and Its Applications, 2005, 425, 52-61.	1.2	26
13	FT-IR characterization of a theranostic nanoprobe for photodynamic therapy and epidermal growth factor receptor targets. Sensors and Actuators B: Chemical, 2017, 240, 903-908.	7.8	23
14	Development of a sensitive, stable and EGFR-specific molecular imaging agent for surface enhanced Raman spectroscopy. Journal of Raman Spectroscopy, 2015, 46, 434-446.	2.5	22
15	Chlorin e6-EGF conjugated gold nanoparticles as a nanomedicine based therapeutic agent for triple negative breast cancer. Photodiagnosis and Photodynamic Therapy, 2021, 33, 102186.	2.6	22
16	Evidence for magnetic pseudoscaling in overdoped $\text{La}_2\text{Sr}_x\text{CuO}_4$. Physical Review B, 1998, 57, R11077-R11080.	3.2	20
17	Electrochemical and In Situ XRD Studies of the Li Reaction with Combinatorially Sputtered $\text{Mo}_{1-x}\text{Sn}_x$ ($0 \leq x \leq 0.50$) Thin Films. Journal of the Electrochemical Society, 2004, 151, A470.	2.9	19
18	High-throughput resistivity apparatus for thin-film combinatorial libraries. Review of Scientific Instruments, 2005, 76, 093906.	1.3	18

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19	Accurate assessment of liver steatosis in animal models using a high throughput Raman fiber optic probe. <i>Analyst</i> , The, 2015, 140, 6602-6609.	3.5	17
20	Hole concentration and phonon renormalization of the 340 cm^{-1} B _{1g} mode in 2% Ca-doped YBa ₂ Cu ₃ O _y (6.76 < y < 7.00). <i>Physical Review B</i> , 2004, 69, .	3.2	16
21	Combinatorial synthesis and rapid characterization of Mo _{1-x} Snx (0 ≤ x ≤ 1/2) thin films. <i>Thin Solid Films</i> , 2003, 440, 11-18.	1.8	15
22	Comment on "Superconducting Gap Anisotropy vs Doping Level in High-Tc Cuprates". <i>Physical Review Letters</i> , 1997, 78, 4891-4891.	7.8	11
23	Densely mapping the phase diagram of cuprate superconductors using a spatial composition spread approach. <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, S59-S61.	1.2	10
24	FTIR study of secondary structure changes in Epidermal Growth Factor by gold nanoparticle conjugation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 495-500.	2.4	10
25	Continuous-Wave Coherent Raman Spectroscopy via Plasmonic Enhancement. <i>Scientific Reports</i> , 2019, 9, 12092.	3.3	10
26	Phonon self-energy effects due to superconductivity in Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} . <i>Physical Review B</i> , 1997, 56, 8426-8431.	3.2	9
27	Aggregation of nanoparticles in endosomes and lysosomes produces surface-enhanced Raman spectroscopy. <i>Journal of Nanophotonics</i> , 2015, 9, 093094.	1.0	9
28	Raman investigation of Pb-substituted Bi ₂ Sr ₂ Cu _{6+δ} single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1995, 251, 192-204.	1.2	8
29	Effects of Pb doping on the Raman spectrum of Bi ₂ Sr ₂ CuO _{6+δ} . <i>Physica C: Superconductivity and Its Applications</i> , 1993, 216, 463-470.	1.2	6
30	Epidermal Growth Factor Receptor-specific Nanoprobe Biodistribution in Mouse Models. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 25-30.	3.3	5
31	Temperature-induced frequency shift of the Raman-active CuO ₂ planar oxygen vibrational modes of Bi-2212 related to a change of the Cu-O bonding. <i>Journal of Physics Condensed Matter</i> , 2000, 12, 9637-9643.	1.8	4
32	Magnetron sputter deposition of a 48-member cuprate superconductor library: Bi ₂ Sr ₂ YxCa _{1-x} Cu ₂ O _{8+δ} () linearly varying in steps of. <i>Applied Surface Science</i> , 2007, 254, 760-764.	6.1	4
33	Imaging EGFR distribution using surface-enhanced Raman spectroscopy. , 2009, , .		4
34	Dichotomy and pseudogap signature in the Raman response of high-Tc cuprates. <i>Physical Review B</i> , 2010, 81, .	3.2	4
35	Nanobiophotonics for molecular imaging of cancer: Au- and Ag-based Epidermal Growth Factor receptor (EGFR) specific nanoprobes. <i>Proceedings of SPIE</i> , 2012, , .	0.8	4
36	First demonstration of surface enhanced-stimulated Raman spectroscopy (SE-SRS) using low-power CW sources. <i>Faraday Discussions</i> , 2017, 205, 227-232.	3.2	3

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37	Temperature induced normal state redistribution of B1g spectral weight in underdoped La _{2-x} Sr _x CuO ₄ . Physica C: Superconductivity and Its Applications, 2000, 341-348, 907-908.	1.2	1
38	EGFR-specific nanoprobe biodistribution in mouse models. Proceedings of SPIE, 2015, , .	0.8	0