

Mehmet SarÄ±kaya

List of Publications by Year in descending order

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149
papers

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citations

43973

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159
all docs

159
docs citations

159
times ranked

8581
citing authors

#	ARTICLE	IF	CITATIONS
1	Chimeric Peptide-Based Biomolecular Constructs for Versatile Nucleic Acid Biosensing. ACS Applied Materials & Interfaces, 2022, 14, 23164-23181.	4.0	5
2	Chiral Recognition of Self-Assembled Peptides on MoS ₂ via Lattice Matching. Langmuir, 2021, 37, 8696-8704.	1.6	8
3	Symbiotic assembly of peptide nano-mosaics at solid interfaces. Nanoscale, 2021, 13, 7735-7743.	2.8	0
4	Solid-Binding Peptide-Guided Spatially Directed Immobilization of Kinetically Matched Enzyme Cascades in Membrane Nanoreactors. ACS Omega, 2021, 6, 27129-27139.	1.6	5
5	Long-term durability of a physician-modified endovascular graft. Journal of Vascular Surgery, 2020, 71, 628-634.	0.6	7
6	Thermal Selection of Aqueous Molecular Conformations for Tailored Energetics of Peptide Assemblies at Solid Interfaces. Langmuir, 2020, 36, 318-327.	1.6	7
7	Rationally designed chimeric solid-binding peptides for tailoring solid interfaces. Medical Devices & Sensors, 2020, 3, e10065.	2.7	10
8	Conformationally directed assembly of peptides on 2D surfaces mediated by thermal stimuli. Soft Matter, 2019, 15, 7360-7368.	1.2	9
9	Biomimetic Tooth Repair: Amelogenin-Derived Peptide Enables in Vitro Remineralization of Human Enamel. ACS Biomaterials Science and Engineering, 2018, 4, 1788-1796.	2.6	39
10	Electrochemical Control of Peptide Self-Organization on Atomically Flat Solid Surfaces: A Case Study with Graphite. Langmuir, 2018, 34, 1819-1826.	1.6	16
11	Predicting improvement of postorthodontic white spot lesions. American Journal of Orthodontics and Dentofacial Orthopedics, 2016, 149, 625-633.	0.8	15
12	Bioelectronic interfaces by spontaneously organized peptides on 2D atomic single layer materials. Scientific Reports, 2016, 6, 33778.	1.6	54
13	Engineered Chimeric Peptides as Antimicrobial Surface Coating Agents toward Infection-Free Implants. ACS Applied Materials & Interfaces, 2016, 8, 5070-5081.	4.0	143
14	Selective Detection of Target Proteins by Peptide-Enabled Graphene Biosensor. Small, 2014, 10, 1505-1513.	5.2	114
15	Biosensors: Selective Detection of Target Proteins by Peptide-Enabled Graphene Biosensor (Small) Tj ETQq1 1 0.784314 rgBT ₅ /Overlo	5.2	114
16	Thermodynamics of Engineered Gold Binding Peptides: Establishing the Structure-Activity Relationships. Biomacromolecules, 2014, 15, 2369-2377.	2.6	22
17	Conformational Behavior of Genetically-Engineered Dodecapeptides as a Determinant of Binding Affinity for Gold.. Journal of Physical Chemistry C, 2013, 117, 16990-17003.	1.5	52
18	Effect of solid surface charge on the binding behaviour of a metal-binding peptide. Journal of the Royal Society Interface, 2012, 9, 2688-2695.	1.5	14

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19	Cementomimeticsâ€”constructing a cementum-like biomineralized microlayer via amelogenin-derived peptides. <i>International Journal of Oral Science</i> , 2012, 4, 69-77.	3.6	52
20	Engineered <i>Escherichia coli</i> Silver-Binding Periplasmic Protein That Promotes Silver Tolerance. <i>Applied and Environmental Microbiology</i> , 2012, 78, 2289-2296.	1.4	73
21	Peptides to bridge biological-platinum materials interface. <i>Bioinspired, Biomimetic and Nanobiomaterials</i> , 2012, 1, 143-153.	0.7	15
22	Direct interaction of ligandâ€”receptor pairs specifying stomatal patterning. <i>Genes and Development</i> , 2012, 26, 126-136.	2.7	310
23	Peptide-directed co-assembly of nanoprobe on multimaterial patterned solid surfaces. <i>Soft Matter</i> , 2012, 8, 4327.	1.2	46
24	Controlling the Surface Chemistry of Graphite by Engineered Self-Assembled Peptides. <i>Langmuir</i> , 2012, 28, 8589-8593.	1.6	29
25	Influence of the Shape of Nanostructured Metal Surfaces on Adsorption of Single Peptide Molecules in Aqueous Solution. <i>Small</i> , 2012, 8, 1049-1059.	5.2	92
26	Fabrication of hierarchical hybrid structures using bioâ€”enabled layerâ€”byâ€”layer selfâ€”assembly. <i>Biotechnology and Bioengineering</i> , 2012, 109, 1120-1130.	1.7	31
27	Controlling Self-Assembly of Engineered Peptides on Graphite by Rational Mutation. <i>ACS Nano</i> , 2012, 6, 1648-1656.	7.3	118
28	Single-step fabrication of patterned gold film array by an engineered multi-functional peptide. <i>Journal of Colloid and Interface Science</i> , 2012, 365, 97-102.	5.0	39
29	Electrical detection of biomolecular adsorption on sprayed graphene sheets. <i>Biosensors and Bioelectronics</i> , 2012, 33, 304-308.	5.3	13
30	Assembly Kinetics of Nanocrystals via Peptide Hybridization. <i>Langmuir</i> , 2011, 27, 4867-4872.	1.6	10
31	Spatially Selective Assembly of Quantum Dot Light Emitters in an LED Using Engineered Peptides. <i>ACS Nano</i> , 2011, 5, 2735-2741.	7.3	26
32	In vitro labeling of hydroxyapatite minerals by an engineered protein. <i>Biotechnology and Bioengineering</i> , 2011, 108, 1021-1030.	1.7	41
33	Cooperative Nearâ€”Field Surface Plasmon Enhanced Quantum Dot Nanoarrays. <i>Advanced Functional Materials</i> , 2010, 20, 2675-2682.	7.8	28
34	Nanoarrays: Cooperative Near-Field Surface Plasmon Enhanced Quantum Dot Nanoarrays (<i>Adv. Funct. Mater.</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T	7.8	0
35	An Engineered DNAâ€”Binding Protein Selfâ€”assembles Metallic Nanostructures. <i>ChemBioChem</i> , 2010, 11, 2108-2112.	1.3	13
36	Molecular biomimetics: GEPIâ€”based biological routes to technology. <i>Biopolymers</i> , 2010, 94, 78-94.	1.2	88

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37	Biofunctionalization of materials for implants using engineered peptides. <i>Acta Biomaterialia</i> , 2010, 6, 4634-4641.	4.1	77
38	Self assembled bi-functional peptide hydrogels with biomineralization-directing peptides. <i>Biomaterials</i> , 2010, 31, 7266-7274.	5.7	92
39	Threshold voltage control in organic thin film transistors with dielectric layer modified by a genetically engineered polypeptide. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	38
40	Probing the Molecular Mechanisms of Quartz-Binding Peptides. <i>Langmuir</i> , 2010, 26, 11003-11009.	1.6	72
41	Surface Plasmon Enhanced Fluorescence of Cationic Conjugated Polymer on Periodic Nanoarrays. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 3153-3159.	4.0	14
42	Solution Study of Engineered Quartz Binding Peptides Using Replica Exchange Molecular Dynamics. <i>Biomacromolecules</i> , 2010, 11, 3266-3274.	2.6	28
43	Chemically Self-Assembled Antibody Nanorings (CSANs): Design and Characterization of an Anti-CD3 IgM Biomimetic. <i>Journal of the American Chemical Society</i> , 2010, 132, 17247-17257.	6.6	63
44	Quantum dot emitters integrated with smart peptides. , 2009, , .		0
45	Molecular biomimetics: nanotechnology and bionanotechnology using genetically engineered peptides. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009, 367, 1705-1726.	1.6	93
46	Quartz Binding Peptides as Molecular Linkers towards Fabricating Multifunctional Micropatterned Substrates. <i>Advanced Materials</i> , 2009, 21, 295-299.	11.1	52
47	Adsorption, Diffusion, and Self-Assembly of an Engineered Gold-Binding Peptide on Au(111) Investigated by Atomic Force Microscopy. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5174-5177.	7.2	64
48	Directed self-immobilization of alkaline phosphatase on micro-patterned substrates via genetically fused metal-binding peptide. <i>Biotechnology and Bioengineering</i> , 2009, 103, 696-705.	1.7	86
49	Nanopatterning Peptides as Bifunctional Inks for Templated Assembly. <i>Small</i> , 2009, 5, 689-693.	5.2	27
50	Physical elution in phage display selection of inorganic-binding peptides. <i>Materials Science and Engineering C</i> , 2009, 29, 14-19.	3.8	23
51	Isolation of cobalt hyper-resistant mutants of <i>Saccharomyces cerevisiae</i> by in vivo evolutionary engineering approach. <i>Journal of Biotechnology</i> , 2009, 143, 130-138.	1.9	48
52	Surface-plasmon-enhanced fluorescence from periodic quantum dot arrays through distance control using biomolecular linkers. <i>Nanotechnology</i> , 2009, 20, 015305.	1.3	44
53	Molecular Recognition and Supramolecular Self-Assembly of a Genetically Engineered Gold Binding Peptide on Au{111}. <i>ACS Nano</i> , 2009, 3, 1525-1531.	7.3	83
54	Genetically Designed Peptide-Based Molecular Materials. <i>ACS Nano</i> , 2009, 3, 1606-1615.	7.3	91

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55	Quantitative Affinity of Genetically Engineered Repeating Polypeptides to Inorganic Surfaces. <i>Biomacromolecules</i> , 2009, 10, 250-257.	2.6	73
56	Tooth-forming potential in embryonic and postnatal tooth bud cells. <i>Medical Molecular Morphology</i> , 2008, 41, 183-192.	0.4	51
57	Attenuated total reflectance spectroscopy of simultaneous processes: Corrosion inhibition of cuprous oxide by benzotriazole. <i>Applied Surface Science</i> , 2008, 254, 2960-2966.	3.1	9
58	Enzyme Nanorings. <i>ACS Nano</i> , 2008, 2, 2519-2525.	7.3	41
59	Effect of Molecular Conformations on the Adsorption Behavior of Gold-Binding Peptides. <i>Langmuir</i> , 2008, 24, 12440-12445.	1.6	190
60	Regulation of in vitro Calcium Phosphate Mineralization by Combinatorially Selected Hydroxyapatite-Binding Peptides. <i>Biomacromolecules</i> , 2008, 9, 966-973.	2.6	145
61	Three-Dimensional Architecture of Inorganic Nanoarrays Electrodeposited through a Surface-Layer Protein Mask. <i>Nano Letters</i> , 2008, 8, 1434-1438.	4.5	19
62	Molecular Biomimetics: Genetic Synthesis, Assembly, and Formation of Materials Using Peptides. <i>MRS Bulletin</i> , 2008, 33, 504-512.	1.7	43
63	Ferro-microfluidic device for pathogen detection. , 2008, , .		6
64	Multi-material specific, targeted self-assembly of nanocrystal emitters using genetically engineered peptides on optoelectronic microchips. , 2008, , .		0
65	Biomedical Engineered Ferrofluids. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1032, 1.	0.1	1
66	Assembly of Nanomaterials Through Highly Ordered Self-Assembled Monolayers and Peptide-Organic Hybrid Conjugates as Templates. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 2549-2566.	0.9	18
67	A novel knowledge-based approach to design inorganic-binding peptides. <i>Bioinformatics</i> , 2007, 23, 2816-2822.	1.8	129
68	Peptide-mediated surface-immobilized quantum dot hybrid nanoassemblies with controlled photoluminescence. <i>Journal of Materials Chemistry</i> , 2007, 17, 866-872.	6.7	30
69	Adsorption Behavior of Linear and Cyclic Genetically Engineered Platinum Binding Peptides. <i>Langmuir</i> , 2007, 23, 7895-7900.	1.6	126
70	Stability of S-layer proteins for electrochemical nanofabrication. <i>Colloids and Surfaces B: Biointerfaces</i> , 2007, 57, 256-261.	2.5	2
71	Molecular biomimetics: Utilizing nature's molecular ways in practical engineering. <i>Acta Biomaterialia</i> , 2007, 3, 289-299.	4.1	137
72	Genetically engineered polypeptides for inorganics: A utility in biological materials science and engineering. <i>Materials Science and Engineering C</i> , 2007, 27, 558-564.	3.8	36

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73	Adsorption of genetically engineered proteins studied by time-of-flight secondary ion mass spectrometry (TOF-SIMS). Part A: data acquisition and principal component analysis (PCA). <i>Surface and Interface Analysis</i> , 2007, 39, 419-426.	0.8	8
74	Adsorption of genetically engineered proteins studied by time-of-flight secondary ion mass spectrometry (TOF-SIMS). Part B: hierarchical cluster analysis (HCA). <i>Surface and Interface Analysis</i> , 2007, 39, 427-433.	0.8	2
75	Bacterial surface-layer proteins for electrochemical nanofabrication. <i>Electrochimica Acta</i> , 2007, 53, 193-199.	2.6	9
76	Direct nanofabrication and transmission electron microscopy on a suite of easy-to-prepare ultrathin film substrates. <i>Thin Solid Films</i> , 2007, 515, 5341-5347.	0.8	5
77	Adsorption Kinetics of an Engineered Gold Binding Peptide by Surface Plasmon Resonance Spectroscopy and a Quartz Crystal Microbalance. <i>Langmuir</i> , 2006, 22, 7712-7718.	1.6	172
78	Materials Specificity and Directed Assembly of a Gold-Binding Peptide. <i>Small</i> , 2006, 2, 1372-1378.	5.2	107
79	Self-Organized Materials: From Organic molecules to Genetically Engineered Gold-Binding Proteins. , 2006, , .		0
80	Molecular dynamics simulations on constraint metal binding peptides. <i>Polymer</i> , 2005, 46, 4307-4313.	1.8	47
81	Electrochemical Nanofabrication Using Crystalline Protein Masks. <i>Nano Letters</i> , 2005, 5, 609-613.	4.5	53
82	Molecular Biomimetics: Building Materials Nature's Way, One Molecule at a Time. , 2005, , 119-134.		0
83	Assembly of Gold Nanoparticles Using Genetically Engineered Polypeptides. <i>Small</i> , 2005, 1, 698-702.	5.2	38
84	Thermal transition measurements of polymer thin films by modulated nanoindentation. <i>Journal of Applied Physics</i> , 2005, 98, 014302.	1.1	8
85	Nonequilibrium Synthesis and Assembly of Hybrid Inorganic~Protein Nanostructures Using an Engineered DNA Binding Protein. <i>Journal of the American Chemical Society</i> , 2005, 127, 15637-15643.	6.6	75
86	Metal Recognition of Septapeptides via Polypod Molecular Architecture. <i>Nano Letters</i> , 2005, 5, 415-419.	4.5	81
87	Hsp70 and Hsp40 attenuate formation of spherical and annular polyglutamine oligomers by partitioning monomer. <i>Nature Structural and Molecular Biology</i> , 2004, 11, 1215-1222.	3.6	267
88	Ordered Self-Assembly and Electronic Behavior of C60~Anthrylphenylacetylene Hybrid. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1512-1516.	7.2	26
89	Identification and characterization of Cu2O- and ZnO-binding polypeptides by <i>Escherichia coli</i> cell surface display: toward an understanding of metal oxide binding. <i>Biotechnology and Bioengineering</i> , 2004, 87, 129-137.	1.7	171
90	Molecular characterization of a prokaryotic polypeptide sequence that catalyzes Au crystal formation. <i>Journal of Materials Chemistry</i> , 2004, 14, 2325.	6.7	43

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91	Through-Mask Anodic Patterning of Copper Surfaces and Film Stability in Biological Media. <i>Langmuir</i> , 2004, 20, 3483-3486.	1.6	21
92	MATERIALS ASSEMBLY AND FORMATION USING ENGINEERED POLYPEPTIDES. <i>Annual Review of Materials Research</i> , 2004, 34, 373-408.	4.3	243
93	Enamel Structure Properties Controlled by Engineered Proteins in Transgenic Mice. <i>Journal of Bone and Mineral Research</i> , 2003, 18, 2052-2059.	3.1	44
94	Biomimetic multifunctional molecular coatings using engineered proteins. <i>Progress in Organic Coatings</i> , 2003, 47, 267-274.	1.9	19
95	Molecular biomimetics: nanotechnology through biology. <i>Nature Materials</i> , 2003, 2, 577-585.	13.3	1,498
96	Controlled Assembly of Conducting Monomers for Molecular Electronics. <i>Nano Letters</i> , 2003, 3, 139-142.	4.5	45
97	TEM/EELS analysis of heat-treated carbon nanotubes: experimental techniques. <i>Journal of Electron Microscopy</i> , 2002, 51, S97-S105.	0.9	11
98	Genetically engineered gold-binding polypeptides: structure prediction and molecular dynamics. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2002, 13, 747-757.	1.9	143
99	Scanning Electron Microscopy and Atomic Force Microscopy of the Ring Structures in Human Calcium Oxalate Urinary Stones. <i>Microscopy and Microanalysis</i> , 2002, 8, 746-747.	0.2	1
100	Rigid biological composite materials: Structural examples for biomimetic design. <i>Experimental Mechanics</i> , 2002, 42, 395-403.	1.1	178
101	Dopant Effect on Local Dielectric Properties in Barium Titanate Based Electroceramics Determined by Transmission EELS. <i>Journal of the American Ceramic Society</i> , 2002, 85, 2236-2243.	1.9	9
102	Rigid biological composite materials: Structural examples for biomimetic design. , 2002, 42, 395.		9
103	Regulated gene expression dictates enamel structure and tooth function. <i>Matrix Biology</i> , 2001, 20, 273-292.	1.5	161
104	Structure-Property Correlation in Genetically-Engineered Mouse Enamel. <i>Microscopy and Microanalysis</i> , 2001, 7, 992-993.	0.2	0
105	Effects of Nanostructure on Bulk Mechanical Properties of Nacre - 3D Finite Element Modeling of the Segmented/Layered Biocomposite. <i>Materials Research Society Symposia Proceedings</i> , 2001, 677, 781.	0.1	3
106	Growth dynamics of red abalone shell: a biomimetic model. <i>Materials Science and Engineering C</i> , 2000, 11, 145-153.	3.8	16
107	The Dentino-enamel Junction is a Broad Transitional Zone Uniting Dissimilar Bioceramic Composites. <i>Journal of the American Ceramic Society</i> , 2000, 83, 238-40.	1.9	86
108	Nanostructure-Nanomechanical Properties of Enamel Rods in Mouse Incisor. <i>Microscopy and Microanalysis</i> , 2000, 6, 382-383.	0.2	0

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109	A genetic analysis of crystal growth 1 Edited by M. Gottesman. Journal of Molecular Biology, 2000, 299, 725-735.	2.0	353
110	Enamel Biomineralization Defects Result from Alterations to Amelogenin Self-Assembly. Journal of Structural Biology, 2000, 132, 191-200.	1.3	110
111	An In Vitro System for the Simulation of Enamel Growth. Microscopy and Microanalysis, 1999, 5, 386-387.	0.2	0
112	Nanomechanical Property Determination of Organic Matrix in Mollusc Shell Nacre: A Biocomposite. Microscopy and Microanalysis, 1999, 5, 984-985.	0.2	0
113	Micro & Nano-Scale Structure of Enamel and Dentin-Enamel Junction of Human Teeth. Microscopy and Microanalysis, 1999, 5, 1010-1011.	0.2	1
114	Nano-mechanical properties profiles across dentin-enamel junction of human incisor teeth. Materials Science and Engineering C, 1999, 7, 119-128.	3.8	177
115	Spin-Stretching of DNA and Protein Molecules for Detection by Fluorescence and Atomic Force Microscopy. Analytical Chemistry, 1999, 71, 4418-4422.	3.2	86
116	Sharp DNA Bends as Landmarks of Protein-Binding Sites on Straightened DNA. Analytical Chemistry, 1999, 71, 1663-1667.	3.2	10
117	Low-loss Electron Energy-loss Spectroscopy and Dielectric Function of Biological and Geological Polymorphs of CaCO ₃ . Microscopy and Microanalysis, 1999, 5, 358-364.	0.2	18
118	Nanoscale Correlation of Structure and Mechanical Properties of a Human Tooth. Microscopy and Microanalysis, 1998, 4, 942-943.	0.2	1
119	Local Dielectric Function Of Biogenic and Geological Polymorphs of CaCO ₃ Via Transmission Eels. Microscopy and Microanalysis, 1998, 4, 782-783.	0.2	0
120	Determination of local high-frequency dielectric function during the cubic-to-tetragonal phase transformation in barium titanate. Journal of Materials Research, 1997, 12, 1582-1588.	1.2	5
121	Evidence of a low compressibility carbon nitride with defect-zincblende structure. Journal of Applied Physics, 1997, 81, 2555-2559.	1.1	81
122	Elfs: Energy Loss Fine Structure Analysis in Materials. Microscopy and Microanalysis, 1997, 3, 953-954.	0.2	0
123	Topography of Nacre/Prismatic Growth Edge in Red Abalone by AFM. Microscopy and Microanalysis, 1997, 3, 1267-1268.	0.2	0
124	Polymorphic Transition in Biogenic Calcium Carbonate: Nacre/Prismatic Interface in Abalone Shell. Microscopy and Microanalysis, 1997, 3, 753-754.	0.2	1
125	New carbon-nitrogen materials. A likely alternative to diamond. Materials Chemistry and Physics, 1997, 47, 109-117.	2.0	13
126	EXELFS Ĩ-data renormalization. Ultramicroscopy, 1997, 68, 163-171.	0.8	7

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127	Characterization of Dichlorosilane Based Tungsten Silicide Films For Local Interconnects. Materials Research Society Symposia Proceedings, 1996, 427, 297.	0.1	2
128	Low Temperature Hydrothermal Synthesis of Nanophase BaTiO ₃ and BaFe ₂ O ₉ Powders. Materials Research Society Symposia Proceedings, 1996, 457, 69.	0.1	2
129	A Novel Technique for Determining Local Dielectric Function During Ferroelectric to Paraelectric Phase Transformation in Barium Titanate with a Transmission Eels. Materials Research Society Symposia Proceedings, 1995, 404, 101.	0.1	0
130	Low Loss Transmission Electron Spectroscopic Studies in Donor Doped BaTiO ₃ . Materials Research Society Symposia Proceedings, 1995, 411, 191.	0.1	0
131	Development of the EXELFS technique for high accuracy structural information. Ultramicroscopy, 1995, 59, 137-147.	0.8	37
132	Crystallization Behavior of Cordierite-Based Glass with Excess SiO ₂ and Al ₂ O ₃ at Initial Stage. Japanese Journal of Applied Physics, 1994, 33, 1101-1108.	0.8	10
133	An introduction to biomimetics: A structural viewpoint. Microscopy Research and Technique, 1994, 27, 360-375.	1.2	157
134	A Cbed Procedure for Determining Local Residual Stresses from Nanoscale Areas in Cermets. Materials Research Society Symposia Proceedings, 1994, 332, 151.	0.1	0
135	Dynamic Behavior of Twins In BaTiO ₃ . Materials Research Society Symposia Proceedings, 1994, 357, 121.	0.1	0
136	Evolution of resolution in microscopy. Ultramicroscopy, 1992, 47, 1-14.	0.8	14
137	Resolution in conventional transmission electron microscopy. Ultramicroscopy, 1992, 47, 145-161.	0.8	8
138	Structure-Mechanical Property Relationships In A Biological Ceramic-Polymer Composite: Nacre. Materials Research Society Symposia Proceedings, 1991, 255, 171.	0.1	12
139	Imaging Of Hierarchically Structured Materials. Materials Research Society Symposia Proceedings, 1991, 255, 293.	0.1	9
140	A Hierarchically Structured Model Composite: A Tem Study of the Hard Tissue of Red Abalone. Materials Research Society Symposia Proceedings, 1991, 255, 9.	0.1	8
141	Mullite for Structural, Electronic, and Optical Applications. Journal of the American Ceramic Society, 1991, 74, 2343-2358.	1.9	600
142	Fractal colloidal aggregates with finite interparticle interactions: Energy dependence of the fractal dimension. Physical Review A, 1990, 41, 3206-3213.	1.0	72
143	Theory of oxygen diffusion in the YBa ₂ Cu ₃ O _{7-x} superconducting compound. Physical Review B, 1990, 42, 4244-4254.	1.1	41
144	Mechanism of Twin Formation During the Tetragonal to Orthorhombic Transformation In Yba ₂ Cu ₃ O _{7-x} . Materials Research Society Symposia Proceedings, 1989, 169, 805.	0.1	0

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145	Structure and formation of twins in the orthorhombic YBa ₂ Cu ₃ O _{7-x} . Physica C: Superconductivity and Its Applications, 1988, 152, 161-170.	0.6	54
146	Identification of Intergranular Cu ₂ O in Polycrystalline YBa ₂ Cu ₃ O _{7-x} Superconductors. Journal of the American Ceramic Society, 1988, 71, C-305-C-309.	1.9	10
147	Observation of Radiation-Induced Defect Formation in Aluminum by High-Resolution Transmission Electron Microscopy. Materials Research Society Symposia Proceedings, 1988, 138, 41.	0.1	2
148	Local structural variations in YBa ₂ Cu ₃ O _{7-x} . Physical Review B, 1988, 37, 9373-9381.	1.1	65
149	Spinel Phase Formation During the 980oC Exothermic Reaction in the Kaolinite-to-Mullite Reaction Series. Journal of the American Ceramic Society, 1987, 70, 837-842.	1.9	166