

Paul A Salvador

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

144 papers	3,506 citations	30 h-index	52 g-index
152 ext. papers	3,825 ext. citations	4.7 avg, IF	5.51 L-index

#	Paper	IF	Citations
144	High-Throughput Study of Trivalent Doped SrTiO ₃ for Photocatalytic Overall Water Splitting. <i>ECS Meeting Abstracts</i> , 2021 , MA2021-02, 1307-1307	0	0
143	Quantifying morphological variability and operating evolution in SOFC anode microstructures. <i>Journal of Power Sources</i> , 2021 , 498, 229846	8.9	0
142	Epitaxial Phase Stability of SrMnO ₃ Films on Polycrystalline Perovskite Substrates. <i>Crystal Growth and Design</i> , 2021 , 21, 4547-4555	3.5	0
141	Influence of orientation and ferroelectric domains on the photochemical reactivity of La ₂ Ti ₂ O ₇ . <i>Journal of the European Ceramic Society</i> , 2021 , 41, 319-325	6	1
140	Microstructure Generation via Generative Adversarial Network for Heterogeneous, Topologically Complex 3D Materials. <i>Jom</i> , 2021 , 73, 90-102	2.1	16
139	Distributions of local electrochemistry in heterogeneous microstructures of solid oxide fuel cells using high-performance computations. <i>Electrochimica Acta</i> , 2020 , 345, 136191	6.7	5
138	High-throughput measurement of the influence of pH on hydrogen production from BaTiO ₃ /TiO ₂ core/shell photocatalysts. <i>Applied Catalysis B: Environmental</i> , 2020 , 269, 118750	21.8	15
137	High performance modeling of heterogeneous SOFC electrode microstructures using the MOOSE framework: ERMINE (Electrochemical Reactions in Microstructural Networks). <i>MethodsX</i> , 2020 , 7, 100822	1.9	2
136	Influence of pH and Surface Orientation on the Photochemical Reactivity of SrTiO. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 23617-23626	9.5	5
135	Combinatorial substrate epitaxy investigation of polytypic growth of AEMnO ₃ (A=Ca, Sr). <i>Journal of the American Ceramic Society</i> , 2020 , 103, 2225-2234	3.8	2
134	Quantitative Analysis of Multi-Scale Heterogeneities in Complex Electrode Microstructures. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 054506	3.9	6
133	Influence of surface orientation on the photochemical reactivity of CaTiO ₃ . <i>Journal of the American Ceramic Society</i> , 2020 , 103, 4498-4506	3.8	1
132	Metastable monoclinic [110] layered perovskite DyTiO thin films for ferroelectric applications.. <i>RSC Advances</i> , 2019 , 9, 19895-19904	3.7	4
131	The Facet Structure and Photochemical Reactivity of Arbitrarily Oriented Strontium Titanate Surfaces. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1900731	4.6	4
130	Mesoscale characterization of local property distributions in heterogeneous electrodes. <i>Journal of Power Sources</i> , 2018 , 386, 1-9	8.9	18
129	The effect of pH on the photochemical reactivity of BaTiO ₃ . <i>Surface Science</i> , 2018 , 675, 83-90	1.8	7
128	An efficient approach for prediction of Warburg-type resistance under working currents. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 15445-15456	6.7	12

127	Influence of the Magnitude of Ferroelectric Domain Polarization on the Photochemical Reactivity of BaTiO. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 41450-41457	9.5	12
126	Nano-Photoelectrochemical Cell Arrays with Spatially Isolated Oxidation and Reduction Channels. <i>ACS Nano</i> , 2017 , 11, 2150-2159	16.7	16
125	Buried Charge at the TiO/SrTiO (111) Interface and Its Effect on Photochemical Reactivity. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 7843-7851	9.5	9
124	Controlling the termination and photochemical reactivity of the SrTiO(110) surface. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 7910-7918	3.6	12
123	Pulsed laser deposition of Sr ₂ FeMoO ₆ thin films grown on spark plasma sintered SrMgWO ₆ substrates. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 235301	3	9
122	Spatial selectivity of photodeposition reactions on polar surfaces of centrosymmetric ferroelastic BWO ₃ . <i>Journal of Materials Chemistry A</i> , 2017 , 5, 8261-8266	13	11
121	Quantifying intermediate-frequency heterogeneities of SOFC electrodes using X-ray computed tomography. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 2232-2242	3.8	17
120	First-Principles Investigation of the Epitaxial Stabilization of Oxide Polymorphs: TiO on (Sr,Ba)TiO. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 4106-4118	9.5	12
119	Quantitative interpretation of impedance spectroscopy data on porous LSM electrodes using X-ray computed tomography and Bayesian model-based analysis. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 25334-25345	3.6	4
118	Towards Quantification of Local Electrochemical Parameters in Microstructures of Solid Oxide Fuel Cell Electrodes using High Performance Computations. <i>ECS Transactions</i> , 2017 , 78, 2711-2722	1	7
117	A Method for Quantitative 3D Mesoscale Analysis of Solid Oxide Fuel Cell Microstructures Using Xe-plasma Focused Ion Beam (PFIB) Coupled with SEM. <i>ECS Transactions</i> , 2017 , 78, 2159-2170	1	11
116	Spatially selective photochemical activity on surfaces of ferroelastics with local polarization. <i>Semiconductor Science and Technology</i> , 2017 , 32, 103001	1.8	5
115	Competitive Growth of Scrutinyite (PbO ₂) and Rutile Polymorphs of SnO ₂ on All Orientations of Columbite CoNb ₂ O ₆ Substrates. <i>Crystal Growth and Design</i> , 2017 , 17, 3929-3939	3.5	19
114	Controlling the Relative Areas of Photocathodic and Photoanodic Terraces on the SrTiO ₃ (111) Surface. <i>Chemistry of Materials</i> , 2016 , 28, 5155-5162	9.6	26
113	The Orientation Dependence of the Photochemical Activity of Fe ₂ O ₃ . <i>Journal of the American Ceramic Society</i> , 2016 , 99, 2428-2435	3.8	9
112	Computational Model of Domain-Specific Reactivity on Coated Ferroelectric Photocatalysts. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 12673-12684	3.8	15
111	High visible-light photochemical activity of titania decorated on single-wall carbon nanotube aerogels. <i>RSC Advances</i> , 2016 , 6, 22285-22294	3.7	30
110	Ferroelastic domains improve photochemical reactivity: a comparative study of monoclinic and tetragonal (Bi _{10.5} xNa _{0.5})(V _{1-x} Mox)O ₄ ceramics. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 2951-2959	13	15

109	Combined Electron Channeling Contrast Imaging (ECCI) and Transmission Electron Microscopy (TEM) Studies of Coherent Domain Boundaries in Strained La 0.7 Sr 0.3 MnO 3 (LSM) Epitaxial Thin Films. <i>Microscopy and Microanalysis</i> , 2016 , 22, 1346-1347	0.5	
108	Multidomain simulations of coated ferroelectrics exhibiting spatially selective photocatalytic activity with high internal quantum efficiencies. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 16085-16093	13	17
107	In situ TEM imaging of defect dynamics under electrical bias in resistive switching rutile-TiO ₂ . <i>Microscopy and Microanalysis</i> , 2015 , 21, 140-53	0.5	33
106	Electron channeling contrast imaging of anti-phase boundaries in coherently strained La _{0.7} Sr _{0.3} MnO ₃ thin films on (110)-oriented SrTiO ₃ . <i>Applied Physics Letters</i> , 2015 , 107, 041601	3.4	6
105	The orientation dependence of the photochemical reactivity of BiVO ₄ . <i>Journal of Materials Chemistry A</i> , 2015 , 3, 2370-2377	13	23
104	Preferential orientation relationships in Ca ₂ MnO ₄ Ruddlesden-Popper thin films. <i>Journal of Applied Physics</i> , 2015 , 118, 045306	2.5	5
103	Ferroelectric-Enhanced Photocatalysis with TiO ₂ /BiFeO ₃ 2014 , 15-24		
102	Architecture of PVD coatings for metalcutting applications: A review. <i>Surface and Coatings Technology</i> , 2014 , 257, 138-153	4.4	117
101	Crystallography of Interfaces and Grain Size Distributions in Sr-Doped LaMnO ₃ . <i>Journal of the American Ceramic Society</i> , 2014 , 97, 2623-2630	3.8	6
100	Identifying potential BO ₂ oxide polymorphs for epitaxial growth candidates. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 3630-9	9.5	21
99	Polar Domains at the Surface of Centrosymmetric BiVO ₄ . <i>Chemistry of Materials</i> , 2014 , 26, 2774-2776	9.6	32
98	Secondary hardness enhancement in large period TiN/TaN superlattices. <i>Surface and Coatings Technology</i> , 2014 , 254, 21-27	4.4	12
97	Defect Analysis in La _{0.7} Sr _{0.3} MnO ₃ Epitaxial Thin Films by Electron Channeling Contrast Imaging (ECCI). <i>Microscopy and Microanalysis</i> , 2014 , 20, 1036-1037	0.5	
96	Growth of Ca ₂ MnO ₄ Ruddlesden-Popper structured thin films using combinatorial substrate epitaxy. <i>Journal of Applied Physics</i> , 2014 , 116, 245303	2.5	12
95	BiFeO ₃ /La _{0.7} Sr _{0.3} MnO ₃ heterostructures deposited on spark plasma sintered LaAlO ₃ substrates. <i>Applied Physics Letters</i> , 2014 , 104, 082914	3.4	14
94	Mechanism of localized electrical conduction at the onset of electroforming in TiO ₂ based resistive switching devices. <i>Applied Physics Letters</i> , 2014 , 104, 113510	3.4	19
93	Photocatalysts with internal electric fields. <i>Nanoscale</i> , 2014 , 6, 24-42	7.7	542
92	Heterostructured (Ba,Sr)TiO ₃ /TiO ₂ core/shell photocatalysts: Influence of processing and structure on hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 6948-6959	6.7	40

91	Combinatorial substrate epitaxy: a new approach to growth of complex metastable compounds. <i>CrystEngComm</i> , 2013 , 15, 5434	3.3	20
90	Eutaxial growth of hematite Fe ₂ O ₃ films on perovskite SrTiO ₃ polycrystalline substrates. <i>Thin Solid Films</i> , 2013 , 548, 220-224	2.2	12
89	Visible-light photochemical activity of heterostructured core-shell materials composed of selected ternary titanates and ferrites coated by TiO ₂ . <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 5064-71	9.5	47
88	Potential Driven Chemical Expansion of La _{0.6} Sr _{0.4} Co _{1-x} Fe _x O _{3-δ} Thin Films on Yttria Stabilized Zirconia. <i>Materials Research Society Symposia Proceedings</i> , 2013 , 1494, 259-264		
87	Transient characterization of the electroforming process in TiO ₂ based resistive switching devices. <i>Applied Physics Letters</i> , 2013 , 102, 023507	3.4	23
86	Impact of Joule heating on the microstructure of nanoscale TiO ₂ resistive switching devices. <i>Journal of Applied Physics</i> , 2013 , 113, 163703	2.5	24
85	Growth and texture of spark plasma sintered Al ₂ O ₃ ceramics: A combined analysis of X-rays and electron back scatter diffraction. <i>Journal of Applied Physics</i> , 2013 , 113, 153510	2.5	15
84	High-throughput synthesis of thermoelectric Ca ₃ Co ₄ O ₉ films. <i>Applied Physics Letters</i> , 2013 , 103, 143123	3.4	17
83	Dislocation impact on resistive switching in single-crystal SrTiO ₃ . <i>Journal of Applied Physics</i> , 2013 , 113, 234510	2.5	21
82	In situ X-ray Studies of (La,Sr)MnO ₃ / (La,Sr)CoO ₃ and La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O _{3-δ} Thin Film SOFC Cathodes Grown by Pulse Laser Deposition. <i>Materials Research Society Symposia Proceedings</i> , 2013 , 1495, 1		1
81	Structure and Relative Thermal Stability of Mesoporous (La,Sr)MnO ₃ Powders Prepared Using Evaporation-Induced Self-Assembly Methods. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 2339-2346	3.8	8
80	Substrate and thickness effects on the oxygen surface exchange of La _{0.7} Sr _{0.3} MnO ₃ thin films. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 2541-50	9.5	19
79	Combinatorial substrate epitaxy: A high-throughput method for determining phase and orientation relationships and its application to BiFeO ₃ /TiO ₂ heterostructures. <i>Acta Materialia</i> , 2012 , 60, 6486-6493	8.4	36
78	Enhanced photochemical activity of Fe ₂ O ₃ films supported on SrTiO ₃ substrates under visible light illumination. <i>Chemical Communications</i> , 2012 , 48, 2012-4	5.8	32
77	Visible light photochemical activity of heterostructured PbTiO ₃ /TiO ₂ core-shell particles. <i>Catalysis Science and Technology</i> , 2012 , 2, 1945	5.5	81
76	Heterostructured Ceramic Powders for Photocatalytic Hydrogen Production: Nanostructured TiO ₂ Shells Surrounding Microcrystalline (Ba,Sr)TiO ₃ Cores. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 1414-1420	3.8	69
75	Elimination of high transient currents and electrode damage during electroformation of TiO ₂ -based resistive switching devices. <i>Journal Physics D: Applied Physics</i> , 2012 , 45, 395101	3	17
74	Dislocation Analysis in Metal-Oxide Materials and Devices by Electron Channeling Contrast Imaging. <i>Microscopy and Microanalysis</i> , 2012 , 18, 706-707	0.5	

73	Spatially selective visible light photocatalytic activity of TiO ₂ /BiFeO ₃ heterostructures. <i>Journal of Materials Chemistry</i> , 2011 , 21, 4168		113
72	Crystallographic Characteristics of Grain Boundaries in Dense Yttria-Stabilized Zirconia. <i>International Journal of Applied Ceramic Technology</i> , 2011 , 8, 1218-1228	2	26
71	The Orientation Distributions of Lines, Surfaces, and Interfaces around Three-Phase Boundaries in Solid Oxide Fuel Cell Cathodes. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 4045-4051	3.8	19
70	Computational investigations into the operating window for memristive devices based on homogeneous ionic motion. <i>Applied Physics A: Materials Science and Processing</i> , 2011 , 102, 877-883	2.6	46
69	Effects of crystallographic orientation on the oxygen exchange rate of La _{0.7} Sr _{0.3} MnO ₃ thin films. <i>Solid State Ionics</i> , 2011 , 194, 9-16	3.3	34
68	Total-reflection inelastic X-ray scattering from a 10-nm thick La _{0.6} Sr _{0.4} CoO ₃ thin film. <i>Physical Review Letters</i> , 2011 , 106, 037401	7.4	22
67	Mobility of oxygen vacancy in SrTiO ₃ and its implications for oxygen-migration-based resistance switching. <i>Journal of Applied Physics</i> , 2011 , 110, 034509	2.5	84
66	Effect of crystal and domain orientation on the visible-light photochemical reduction of Ag on BiFeO ₃ . <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 1562-7	9.5	56
65	Thermographic analysis of localized conductive channels in bipolar resistive switching devices. <i>Journal Physics D: Applied Physics</i> , 2011 , 44, 185103	3	11
64	Local heating-induced plastic deformation in resistive switching devices. <i>Journal of Applied Physics</i> , 2011 , 110, 054514	2.5	14
63	Microstructural Degradation of (La,Sr)MnO ₃ /SZ Cathodes in Solid Oxide Fuel Cells with Uncoated E-Brite Interconnects. <i>Journal of the Electrochemical Society</i> , 2011 , 158, B152	3.9	13
62	Microstructural Effects on the Oxygen Exchange Kinetics of La _{0.7} Sr _{0.3} MnO ₃ Thin Films. <i>ECS Transactions</i> , 2011 , 35, 2063-2075	1	7
61	Preparation of Mesoporous La _{0.8} Sr _{0.2} MnO ₃ Infiltrated Coatings in Porous SOFC Cathodes Using Evaporation-Induced Self-Assembly Methods. <i>ECS Transactions</i> , 2011 , 35, 2387-2399	1	7
60	Orientation and Phase Relationships between Titania Films and Polycrystalline BaTiO ₃ Substrates as Determined by Electron Backscatter Diffraction Mapping. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 2530-2533	3.8	25
59	The Effect of Chromium Oxyhydroxide on Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2010 , 157, B228	3.9	43
58	Electron beam induced current investigations of Pt/SrTiO ₃ interface exposed to chemical and electrical stresses. <i>Applied Physics Letters</i> , 2010 , 96, 092102	3.4	7
57	Photochemical Reactivity of Titania Films on BaTiO ₃ Substrates: Origin of Spatial Selectivity. <i>Chemistry of Materials</i> , 2010 , 22, 5823-5830	9.6	87
56	Photochemical Reactivity of Titania Films on BaTiO ₃ Substrates: Influence of Titania Phase and Orientation. <i>Chemistry of Materials</i> , 2010 , 22, 5831-5837	9.6	56

55	Electrical Conductivity Relaxation Study of Solid Oxide Fuel Cell Cathodes using Epitaxial (001)-Oriented Strontium-Doped Lanthanum Manganite Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 2010 , 1255, 202		3
54	Electron tunneling characteristics on La _{0.7} Sr _{0.3} MnO ₃ thin-film surfaces at high temperature. <i>Applied Physics Letters</i> , 2009 , 95, 092106	3-4	55
53	Controlling the Bi content, phase formation, and epitaxial nature of BiMnO ₃ thin films fabricated using conventional pulsed laser deposition, hybrid pulsed laser deposition, and solid state epitaxy. <i>Journal of Applied Physics</i> , 2009 , 106, 123509	2.5	8
52	Epitaxial stabilization of (110)-layered perovskites of the RE ₂ Ti ₂ O ₇ (RE=La, Nd, Sm, Gd) family. <i>Journal of Solid State Chemistry</i> , 2009 , 182, 1603-1610	3-3	24
51	Correlations of Electronic and Chemical State on La _{0.7} Sr _{0.3} MnO ₃ Dense Thin-Film Cathode Surfaces. <i>ECS Transactions</i> , 2009 , 25, 2309-2318	1	8
50	Thin Film Synthesis and Structural Characterization of a New Kinetically Preferred Polymorph in the RE ₂ Ti ₂ O ₇ (RE = La) Family. <i>Crystal Growth and Design</i> , 2009 , 9, 4546-4554	3-5	17
49	Stoichiometric, nonstoichiometric, and locally nonstoichiometric SrTiO ₃ films grown by molecular beam epitaxy. <i>Journal of Applied Physics</i> , 2008 , 103, 013519	2.5	26
48	In situ Synchrotron X-ray Studies of Dense Thin-Film Strontium-Doped Lanthanum Manganite Solid Oxide Fuel Cell Cathodes. <i>Materials Research Society Symposia Proceedings</i> , 2008 , 1126, 1		4
47	In situ characterization of strontium surface segregation in epitaxial La _{0.7} Sr _{0.3} MnO ₃ thin films as a function of oxygen partial pressure. <i>Applied Physics Letters</i> , 2008 , 93, 151904	3-4	141
46	Structural characterization of TiO ₂ films grown on LaAlO ₃ and SrTiO ₃ substrates using reactive molecular beam epitaxy. <i>Journal of Crystal Growth</i> , 2008 , 310, 545-550	1.6	33
45	Growth and structural characterization of epitaxial Ba _{0.6} Sr _{0.4} TiO ₃ films deposited on REScO ₃ (110) (RE=Dy, Gd) substrates using pulsed laser deposition. <i>Journal of Crystal Growth</i> , 2008 , 310, 1991-1998	1.6	5
44	Growth of La ₂ Ti ₂ O ₇ and LaTiO ₃ thin films using pulsed laser deposition. <i>Journal of Crystal Growth</i> , 2008 , 310, 1985-1990	1.6	39
43	MgO films grown on yttria-stabilized zirconia by molecular beam epitaxy. <i>Journal of Crystal Growth</i> , 2008 , 310, 2760-2766	1.6	6
42	Phase and structural characterization of Sr ₂ Nb ₂ O ₇ and SrNbO ₃ thin films grown via pulsed laser ablation in O ₂ or N ₂ atmospheres. <i>Journal of Solid State Chemistry</i> , 2008 , 181, 705-714	3-3	16
41	Electrode influence on the transport through SrRuO ₃ /Ir-doped SrZrO ₃ /metal junctions. <i>Applied Physics Letters</i> , 2007 , 90, 202107	3-4	23
40	Chiral surfaces and metal/ceramic heteroepitaxy in the Pt/SrTiO ₃ (621) system. <i>Surface Science</i> , 2007 , 601, 1930-1936	1.8	11
39	Monte Carlo simulations and experimental observations of templated grain growth in thin platinum films. <i>Acta Materialia</i> , 2007 , 55, 6159-6169	8.4	11
38	The origin of photochemical anisotropy in SrTiO ₃ . <i>Topics in Catalysis</i> , 2007 , 44, 529-533	2-3	67

37	Epitaxial stabilization and structural properties of REMnO ₃ (RE=Dy,Gd,Sm) compounds in a layered, hexagonal ABO ₃ structure. <i>Applied Physics Letters</i> , 2007 , 91, 232901	3.4	30
36	A series of layered intergrowth phases grown by molecular beam epitaxy: Sr _m TiO _{2+m} (m=1B). <i>Applied Physics Letters</i> , 2007 , 91, 252901	3.4	14
35	Crystal orientation and surface morphology of face-centered-cubic metal thin films deposited upon single-crystal ceramic substrates using pulsed laser deposition. <i>Journal of Materials Research</i> , 2007 , 22, 89-102	2.5	36
34	Molecular Beam Epitaxial Growth and Dielectric Characterization of Ba _{0.6} Sr _{0.4} TiO ₃ Films. <i>Materials Research Society Symposia Proceedings</i> , 2006 , 966, 1		1
33	Structural properties of SrO thin films grown by molecular beam epitaxy on LaAlO ₃ substrates. <i>Applied Physics Letters</i> , 2006 , 89, 262903	3.4	8
32	Influence of Dipolar Fields on the Photochemical Reactivity of Thin Titania Films on BaTiO ₃ Substrates. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 060623005134019-???	3.8	6
31	Growth, structure, and morphology of TiO ₂ films deposited by molecular beam epitaxy in pure ozone ambients. <i>Microelectronics Journal</i> , 2006 , 37, 1493-1497	1.8	21
30	Epitaxial growth of Cu(100) and Pt(100) thin films on perovskite substrates. <i>Thin Solid Films</i> , 2006 , 496, 317-325	2.2	32
29	Growth and structural investigations of epitaxial hexagonal YMnO ₃ thin films deposited on wurtzite GaN(001) substrates. <i>Thin Solid Films</i> , 2006 , 515, 1807-1813	2.2	14
28	Chirally oriented heteroepitaxial thin films grown by pulsed laser deposition: Pt(621) on SrTiO ₃ (621). <i>Journal of Applied Physics</i> , 2004 , 96, 2482-2493	2.5	20
27	Thin Pt films on the polar SrTiO ₃ (111) surface: an experimental and theoretical study. <i>Surface Science</i> , 2003 , 537, 134-152	1.8	59
26	In situ monitoring of the growth and characterization of (PrMnO ₃) _n (SrMnO ₃) _n superlattices. <i>Journal of Applied Physics</i> , 2003 , 94, 2716-2724	2.5	12
25	Synthesis, Structures, and Physical Properties of Yttrium-Doped Strontium Manganese Oxide Films. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 718, 1		4
24	Surface engineering along the close-packed direction of SrTiO ₃ . <i>Journal of Crystal Growth</i> , 2001 , 225, 178-182	1.6	25
23	Stability and Structural Characterization of Epitaxial NdNiO ₃ Films Grown by Pulsed Laser Deposition. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 658, 3271		2
22	New tailored cuprates grown by pulsed laser deposition. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 341-348, 339-342	1.3	1
21	Cation disorder in Ga ₁₂ 12. <i>Inorganic Chemistry</i> , 2000 , 39, 3386-91	5.1	0
20	Growth and magnetoresistive properties of (LaMnO ₃) _m (SrMnO ₃) _n superlattices. <i>Applied Physics Letters</i> , 1999 , 75, 2638-2640	3.4	72

19	Thin film deposition: a novel synthetic route to new materials. <i>Journal of Materials Chemistry</i> , 1999 , 9, 233-242		52
18	Substitution Behavior and Stable Charge Carrier Species in Long-Bond Length Layered Cuprates. <i>Chemistry of Materials</i> , 1999 , 11, 1760-1770	9.6	18
17	Growth and Structural Characterization of Sr ₂ TiO ₄ : Chemical Control Over the Terminating SrTiO ₃ Surface.. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 587, O3.3.1		1
16	A-Site Ordered, Perovskite-Like Manganites Grown by PLD or Laser-MBE: Their Growth, Structural and Physical Characterization. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 602, 277		
15	Stabilization of YMnO ₃ in a Perovskite Structure as a Thin Film. <i>Chemistry of Materials</i> , 1998 , 10, 2592-2595	9.5	104
14	Internal Chemistry of the Pure and Chemically Substituted Quadruple Perovskites Ln _{1-x} Ba ₂ Cu ₂ Ti ₂ O ₁₁ (Ln = La or Nd). <i>Journal of the American Chemical Society</i> , 1997 , 119, 3756-3764	16.4	12
13	A new series of layered pure perovskites (ACuO _{2.5}) ₂ (ATiO ₃) _m . <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 837-838	1.3	2
12	A New Series of Layered Cuprates (ACuO _{2.5}) ₂ (ATiO ₃) _m : Dy ₂ Ba ₂ Ca ₂ Cu ₂ Ti ₄ O ₁₇ , m = 4. <i>Journal of the American Chemical Society</i> , 1996 , 118, 8951-8952	16.4	23
11	Synthesis and Structure of LaSr ₂ CuTiO _{6.5} : A New Oxygen-Deficient Ruddlesden-Popper Phase. <i>Chemistry of Materials</i> , 1996 , 8, 2792-2798	9.6	6
10	Controlling Defects in Double-Layer Cuprates by Chemical Modifications. <i>Materials Research Society Symposia Proceedings</i> , 1996 , 453, 171		1
9	Layered Cuprates. <i>Materials Research Society Symposia Proceedings</i> , 1996 , 453, 311		1
8	High temperature electrical properties and defect chemistry of La _{2-x} CaxCuO _{4-y} superconductors. I. Electrical properties. <i>Journal of Physics and Chemistry of Solids</i> , 1996 , 57, 1311-1319	3.9	10
7	High temperature electrical properties and defect chemistry of La _{2-x} CaxCuO _{4-y} superconductors. II. Defect structure modeling. <i>Journal of Physics and Chemistry of Solids</i> , 1996 , 57, 1977-1987	3.9	12
6	High-temperature transport and defect studies of quadruple perovskites: La ₂ Ba ₂ Cu ₂ Sn ₂ O ₁₁ , Eu ₂ Ba ₂ Cu ₂ Ti ₂ O ₁₁ , and La ₂ Ba ₂ Cu ₂ Ti ₂ O ₁₁ . <i>Journal of Solid State Chemistry</i> , 1995 , 119, 80-89	3.3	15
5	Crystal Chemistry of Ln _{1-x} Q _x Ba ₂ Cu ₂ Ti ₂ O ₁₁ (Ln = Lanthanide, Y) Materials. <i>Chemistry of Materials</i> , 1995 , 7, 1355-1360	9.6	28
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3	Epitaxial Phase Selection in the Rare Earth Manganite System. <i>Ceramic Transactions</i> , 59-67	0.1	
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