Paul A Salvador

List of Publications by Citations

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	Photocatalysts with internal electric fields. *Nanoscale*, **2014**, 6, 24-42	7.7	542
143	In situ characterization of strontium surface segregation in epitaxial La0.7Sr0.3MnO3 thin films as a function of oxygen partial pressure. *Applied Physics Letters*, **2008**, 93, 151904	3.4	141
142	Architecture of PVD coatings for metalcutting applications: A review. *Surface and Coatings Technology*, **2014**, 257, 138-153	4.4	117
141	Spatially selective visible light photocatalytic activity of TiO2/BiFeO3 heterostructures. *Journal of Materials Chemistry*, **2011**, 21, 4168		113
140	Stabilization of YMnO3in a Perovskite Structure as a Thin Film. *Chemistry of Materials*, **1998**, 10, 2592-2595	9.6	104
139	Photochemical Reactivity of Titania Films on BaTiO3 Substrates: Origin of Spatial Selectivity. *Chemistry of Materials*, **2010**, 22, 5823-5830	9.6	87
138	Mobility of oxygen vacancy in SrTiO3 and its implications for oxygen-migration-based resistance switching. *Journal of Applied Physics*, **2011**, 110, 034509	2.5	84
137	Visible light photochemical activity of heterostructured PbTiO3□TiO2 core□shell particles. *Catalysis Science and Technology*, **2012**, 2, 1945	5.5	81
136	Growth and magnetoresistive properties of (LaMnO3)m(SrMnO3)n superlattices. *Applied Physics Letters*, **1999**, 75, 2638-2640	3.4	72
135	Heterostructured Ceramic Powders for Photocatalytic Hydrogen Production: Nanostructured TiO2 Shells Surrounding Microcrystalline (Ba,Sr)TiO3 Cores. *Journal of the American Ceramic Society*, **2012**, 95, 1414-1420	3.8	69
134	The origin of photochemical anisotropy in SrTiO3. *Topics in Catalysis*, **2007**, 44, 529-533	2.3	67
133	Thin Pt films on the polar SrTiO3(111) surface: an experimental and theoretical study. *Surface Science*, **2003**, 537, 134-152	1.8	59
132	Photochemical Reactivity of Titania Films on BaTiO3 Substrates: Influence of Titania Phase and Orientation. *Chemistry of Materials*, **2010**, 22, 5831-5837	9.6	56
131	Effect of crystal and domain orientation on the visible-light photochemical reduction of Ag on BiFeO□*ACS Applied Materials & Interfaces*, **2011**, 3, 1562-7	9.5	56
130	Electron tunneling characteristics on La0.7Sr0.3MnO3 thin-film surfaces at high temperature. *Applied Physics Letters*, **2009**, 95, 092106	3.4	55
129	Thin film deposition: a novel synthetic route to new materials. *Journal of Materials Chemistry*, **1999**, 9, 233-242		52
128	Visible-light photochemical activity of heterostructured core-shell materials composed of selected ternary titanates and ferrites coated by tiO2. *ACS Applied Materials & Interfaces*, **2013**, 5, 5064-71	9.5	47

127	Computational investigations into the operating window for memristive devices based on homogeneous ionic motion. *Applied Physics A: Materials Science and Processing*, **2011**, 102, 877-883	2.6	46
126	The Effect of Chromium Oxyhydroxide on Solid Oxide Fuel Cells. *Journal of the Electrochemical Society*, **2010**, 157, B228	3.9	43
125	Heterostructured (Ba,Sr)TiO3/TiO2 core/shell photocatalysts: Influence of processing and structure on hydrogen production. *International Journal of Hydrogen Energy*, **2013**, 38, 6948-6959	6.7	40
124	Growth of La2Ti2O7 and LaTiO3 thin films using pulsed laser deposition. *Journal of Crystal Growth*, **2008**, 310, 1985-1990	1.6	39
123	Combinatorial substrate epitaxy: A high-throughput method for determining phase and orientation relationships and its application to BiFeO3/TiO2 heterostructures. *Acta Materialia*, **2012**, 60, 6486-6493	8.4	36
122	Crystal orientation and surface morphology of face-centered-cubic metal thin films deposited upon single-crystal ceramic substrates using pulsed laser deposition. *Journal of Materials Research*, **2007**, 22, 89-102	2.5	36
121	Effects of crystallographic orientation on the oxygen exchange rate of La0.7Sr0.3MnO3 thin films. *Solid State Ionics*, **2011**, 194, 9-16	3.3	34
120	In situ TEM imaging of defect dynamics under electrical bias in resistive switching rutile-TiO□ *Microscopy and Microanalysis*, **2015**, 21, 140-53	0.5	33
119	Structural characterization of TiO2 films grown on LaAlO3 and SrTiO3 substrates using reactive molecular beam epitaxy. *Journal of Crystal Growth*, **2008**, 310, 545-550	1.6	33
118	Polar Domains at the Surface of Centrosymmetric BiVO4. *Chemistry of Materials*, **2014**, 26, 2774-2776	9.6	32
117	Enhanced photochemical activity of □Fe2O3 films supported on SrTiO3 substrates under visible light illumination. *Chemical Communications*, **2012**, 48, 2012-4	5.8	32
116	Epitaxial growth of Cu(100) and Pt(100) thin films on perovskite substrates. *Thin Solid Films*, **2006**, 496, 317-325	2.2	32
115	High visible-light photochemical activity of titania decorated on single-wall carbon nanotube aerogels. *RSC Advances*, **2016**, 6, 22285-22294	3.7	30
114	Epitaxial stabilization and structural properties of REMnO3 (RE=Dy,Gd,Sm) compounds in a layered, hexagonal ABO3 structure. *Applied Physics Letters*, **2007**, 91, 232901	3.4	30
113	Crystal Chemistry of LnQnQBa2Cu2Ti2O11 (Ln = Lanthanide, Y) Materials. *Chemistry of Materials*, **1995**, 7, 1355-1360	9.6	28
112	Controlling the Relative Areas of Photocathodic and Photoanodic Terraces on the SrTiO3(111) Surface. *Chemistry of Materials*, **2016**, 28, 5155-5162	9.6	26
111	Crystallographic Characteristics of Grain Boundaries in Dense Yttria-Stabilized Zirconia. *International Journal of Applied Ceramic Technology*, **2011**, 8, 1218-1228	2	26
110	Stoichiometric, nonstoichiometric, and locally nonstoichiometric SrTiO3 films grown by molecular beam epitaxy. *Journal of Applied Physics*, **2008**, 103, 013519	2.5	26

109	Orientation and Phase Relationships between Titania Films and Polycrystalline BaTiO3 Substrates as Determined by Electron Backscatter Diffraction Mapping. *Journal of the American Ceramic Society*, **2010**, 93, 2530-2533	3.8	25
108	Surface engineering along the close-packed direction of SrTiO3. *Journal of Crystal Growth*, **2001**, 225, 178-182	1.6	25
107	Impact of Joule heating on the microstructure of nanoscale TiO2 resistive switching devices. *Journal of Applied Physics*, **2013**, 113, 163703	2.5	24
106	Epitaxial stabilization of (110)-layered perovskites of the RE2Ti2O7 (RE=La, Nd, Sm, Gd) family. *Journal of Solid State Chemistry*, **2009**, 182, 1603-1610	3.3	24
105	The orientation dependence of the photochemical reactivity of BiVO4. *Journal of Materials Chemistry A*, **2015**, 3, 2370-2377	13	23
104	Transient characterization of the electroforming process in TiO2 based resistive switching devices. *Applied Physics Letters*, **2013**, 102, 023507	3.4	23
103	Electrode influence on the transport through SrRuO3□r-doped SrZrO3/metal junctions. *Applied Physics Letters*, **2007**, 90, 202107	3.4	23
102	A New Series of Layered Cuprates (ACuO2.5)2(ATiO3)m: Dy2Ba2Ca2Cu2Ti4O17, m = 4. *Journal of the American Chemical Society*, **1996**, 118, 8951-8952	16.4	23
101	Total-reflection inelastic X-ray scattering from a 10-nm thick La0.6Sr0.4CoO3 thin film. *Physical Review Letters*, **2011**, 106, 037401	7.4	22
100	Identifying potential BO2 oxide polymorphs for epitaxial growth candidates. *ACS Applied Materials & Interfaces*, **2014**, 6, 3630-9	9.5	21
99	Dislocation impact on resistive switching in single-crystal SrTiO3. *Journal of Applied Physics*, **2013**, 113, 234510	2.5	21
98	Growth, structure, and morphology of TiO2 films deposited by molecular beam epitaxy in pure ozone ambients. *Microelectronics Journal*, **2006**, 37, 1493-1497	1.8	21
97	Combinatorial substrate epitaxy: a new approach to growth of complex metastable compounds. *CrystEngComm*, **2013**, 15, 5434	3.3	20
96	Chirally oriented heteroepitaxial thin films grown by pulsed laser deposition: Pt(621) on SrTiO3(621). *Journal of Applied Physics*, **2004**, 96, 2482-2493	2.5	20
95	Mechanism of localized electrical conduction at the onset of electroforming in TiO2 based resistive switching devices. *Applied Physics Letters*, **2014**, 104, 113510	3.4	19
94	Substrate and thickness effects on the oxygen surface exchange of La(0.7)Sr(0.3)MnO3 thin films. *ACS Applied Materials & Interfaces*, **2012**, 4, 2541-50	9.5	19
93	The Orientation Distributions of Lines, Surfaces, and Interfaces around Three-Phase Boundaries in Solid Oxide Fuel Cell Cathodes. *Journal of the American Ceramic Society*, **2011**, 94, 4045-4051	3.8	19
92	Competitive Growth of Scrutinyite (□PbO2) and Rutile Polymorphs of SnO2 on All Orientations of Columbite CoNb2O6 Substrates. *Crystal Growth and Design*, **2017**, 17, 3929-3939	3.5	19

91	Mesoscale characterization of local property distributions in heterogeneous electrodes. *Journal of Power Sources*, **2018**, 386, 1-9	8.9	18
90	Substitution Behavior and Stable Charge Carrier Species in Long-Bond Length Layered Cuprates. *Chemistry of Materials*, **1999**, 11, 1760-1770	9.6	18
89	Quantifying intermediate-frequency heterogeneities of SOFC electrodes using X-ray computed tomography. *Journal of the American Ceramic Society*, **2017**, 100, 2232-2242	3.8	17
88	High-throughput synthesis of thermoelectric Ca3Co4O9 films. *Applied Physics Letters*, **2013**, 103, 143123	3.4	17
87	Elimination of high transient currents and electrode damage during electroformation of TiO2-based resistive switching devices. *Journal Physics D: Applied Physics*, **2012**, 45, 395101	3	17
86	Thin Film Synthesis and Structural Characterization of a New Kinetically Preferred Polymorph in the RE2Ti2O7 (RE = La) Family. *Crystal Growth and Design*, **2009**, 9, 4546-4554	3.5	17
85	Multidomain simulations of coated ferroelectrics exhibiting spatially selective photocatalytic activity with high internal quantum efficiencies. *Journal of Materials Chemistry A*, **2016**, 4, 16085-16093	13	17
84	Nano-Photoelectrochemical Cell Arrays with Spatially Isolated Oxidation and Reduction Channels. *ACS Nano*, **2017**, 11, 2150-2159	16.7	16
83	Phase and structural characterization of Sr2Nb2O7 and SrNbO3 thin films grown via pulsed laser ablation in O2 or N2 atmospheres. *Journal of Solid State Chemistry*, **2008**, 181, 705-714	3.3	16
82	Microstructure Generation via Generative Adversarial Network for Heterogeneous, Topologically Complex 3D Materials. *Jom*, **2021**, 73, 90-102	2.1	16
81	High-throughput measurement of the influence of pH on hydrogen production from BaTiO3/TiO2 core/shell photocatalysts. *Applied Catalysis B: Environmental*, **2020**, 269, 118750	21.8	15
80	Computational Model of Domain-Specific Reactivity on Coated Ferroelectric Photocatalysts. *Journal of Physical Chemistry C*, **2016**, 120, 12673-12684	3.8	15
79	Ferroelastic domains improve photochemical reactivity: a comparative study of monoclinic and tetragonal (Bi1.5xNa0.5x)(V1Mox)O4 ceramics. *Journal of Materials Chemistry A*, **2016**, 4, 2951-2959	13	15
78	Growth and texture of spark plasma sintered Al2O3 ceramics: A combined analysis of X-rays and electron back scatter diffraction. *Journal of Applied Physics*, **2013**, 113, 153510	2.5	15
77	High-temperature transport and defect studies of quadruple perovskites: La2Ba2Cu2Sn2O11, Eu2Ba2Cu2Ti2O11, and La2Ba2Cu2Ti2O11. *Journal of Solid State Chemistry*, **1995**, 119, 80-89	3.3	15
76	Point Defect Modeling of La2CuO4-Based Superconductors. *Journal of the American Ceramic Society*, **1994**, 77, 81-88	3.8	15
75	BiFeO3/La0.7Sr0.3MnO3 heterostructures deposited on spark plasma sintered LaAlO3 substrates. *Applied Physics Letters*, **2014**, 104, 082914	3.4	14
74	Local heating-induced plastic deformation in resistive switching devices. *Journal of Applied Physics*, **2011**, 110, 054514	2.5	14

73	A series of layered intergrowth phases grown by molecular beam epitaxy: SrmTiO2+m(m=1). *Applied Physics Letters*, **2007**, 91, 252901	3.4	14
72	Growth and structural investigations of epitaxial hexagonal YMnO3 thin films deposited on wurtzite GaN(001) substrates. *Thin Solid Films*, **2006**, 515, 1807-1813	2.2	14
71	Microstructural Degradation of (La,Sr)MnO[sub 3]YSZ Cathodes in Solid Oxide Fuel Cells with Uncoated E-Brite Interconnects. *Journal of the Electrochemical Society*, **2011**, 158, B152	3.9	13
70	Controlling the termination and photochemical reactivity of the SrTiO(110) surface. *Physical Chemistry Chemical Physics*, **2017**, 19, 7910-7918	3.6	12
69	First-Principles Investigation of the Epitaxial Stabilization of Oxide Polymorphs: TiO on (Sr,Ba)TiO. *ACS Applied Materials & Interfaces*, **2017**, 9, 4106-4118	9.5	12
68	An efficient approach for prediction of Warburg-type resistance under working currents. *International Journal of Hydrogen Energy*, **2018**, 43, 15445-15456	6.7	12
67	Secondary hardness enhancement in large period TiN/TaN superlattices. *Surface and Coatings Technology*, **2014**, 254, 21-27	4.4	12
66	Eutaxial growth of hematite Fe2O3 films on perovskite SrTiO3 polycrystalline substrates. *Thin Solid Films*, **2013**, 548, 220-224	2.2	12
65	Growth of Ca2MnO4 Ruddlesden-Popper structured thin films using combinatorial substrate epitaxy. *Journal of Applied Physics*, **2014**, 116, 245303	2.5	12
64	Internal Chemistry of the Pure and Chemically Substituted Quadruple Perovskites LnLnBa2Cu2Ti2O11 (LnLn= LaY or NdDy). *Journal of the American Chemical Society*, **1997**, 119, 3756-3764	16.4	12
63	In situ monitoring of the growth and characterization of (PrMnO3)n(SrMnO3)n superlattices. *Journal of Applied Physics*, **2003**, 94, 2716-2724	2.5	12
62	High temperature electrical properties and defect chemistry of La2CaxCuO4 superconductors. Defect structure modeling. *Journal of Physics and Chemistry of Solids*, **1996**, 57, 1977-1987	3.9	12
61	Influence of the Magnitude of Ferroelectric Domain Polarization on the Photochemical Reactivity of BaTiO. *ACS Applied Materials & Interfaces*, **2018**, 10, 41450-41457	9.5	12
60	Spatial selectivity of photodeposition reactions on polar surfaces of centrosymmetric ferroelastic WO3. *Journal of Materials Chemistry A*, **2017**, 5, 8261-8266	13	11
59	A Method for Quantitative 3D Mesoscale Analysis of Solid Oxide Fuel Cell Microstructures Using Xe-plasma Focused Ion Beam (PFIB) Coupled with SEM. *ECS Transactions*, **2017**, 78, 2159-2170	1	11
58	Thermographic analysis of localized conductive channels in bipolar resistive switching devices. *Journal Physics D: Applied Physics*, **2011**, 44, 185103	3	11
57	Chiral surfaces and metal/ceramic heteroepitaxy in the Pt/SrTiO3(621) system. *Surface Science*, **2007**, 601, 1930-1936	1.8	11
56	Monte Carlo simulations and experimental observations of templated grain growth in thin platinum films. *Acta Materialia*, **2007**, 55, 6159-6169	8.4	11

55	High temperature electrical properties and defect chemistry of La2 xCaxCuO4 y superconductors Electrical properties. *Journal of Physics and Chemistry of Solids*, **1996**, 57, 1311-1319	3.9	10
54	Buried Charge at the TiO/SrTiO (111) Interface and Its Effect on Photochemical Reactivity. *ACS Applied Materials & Interfaces*, **2017**, 9, 7843-7851	9.5	9
53	Pulsed laser deposition of Sr2FeMoO6thin films grown on spark plasma sintered Sr2MgWO6substrates. *Journal Physics D: Applied Physics*, **2017**, 50, 235301	3	9
52	The Orientation Dependence of the Photochemical Activity of Fe2O3. *Journal of the American Ceramic Society*, **2016**, 99, 2428-2435	3.8	9
51	Structure and Relative Thermal Stability of Mesoporous (La,Sr)MnO3 Powders Prepared Using Evaporation-Induced Self-Assembly Methods. *Journal of the American Ceramic Society*, **2012**, 95, 2339-2346	3.8	8
50	Controlling the Bi content, phase formation, and epitaxial nature of BiMnO3 thin films fabricated using conventional pulsed laser deposition, hybrid pulsed laser deposition, and solid state epitaxy. *Journal of Applied Physics*, **2009**, 106, 123509	2.5	8
49	Correlations of Electronic and Chemical State on La0.7Sr0.3MnO3 Dense Thin-Film Cathode Surfaces. *ECS Transactions*, **2009**, 25, 2309-2318	1	8
48	Structural properties of SrO thin films grown by molecular beam epitaxy on LaAlO3 substrates. *Applied Physics Letters*, **2006**, 89, 262903	3.4	8
47	The effect of pH on the photochemical reactivity of BaTiO3. *Surface Science*, **2018**, 675, 83-90	1.8	7
46	Towards Quantification of Local Electrochemical Parameters in Microstructures of Solid Oxide Fuel Cell Electrodes using High Performance Computations. *ECS Transactions*, **2017**, 78, 2711-2722	1	7
45	Electron beam induced current investigations of Pt/SrTiO3 interface exposed to chemical and electrical stresses. *Applied Physics Letters*, **2010**, 96, 092102	3.4	7
44	Microstructural Effects on the Oxygen Exchange Kinetics of La0.7Sr0.3MnO3 Thin Films. *ECS Transactions*, **2011**, 35, 2063-2075	1	7
43	Preparation of Mesoporous La0.8Sr0.2MnO3 Infiltrated Coatings in Porous SOFC Cathodes Using Evaporation-Induced Self-Assembly Methods. *ECS Transactions*, **2011**, 35, 2387-2399	1	7
42	Electron channeling contrast imaging of anti-phase boundaries in coherently strained La0.7Sr0.3MnO3 thin films on (110)-oriented SrTiO3. *Applied Physics Letters*, **2015**, 107, 041601	3.4	6
41	Crystallography of Interfaces and Grain Size Distributions in Sr-Doped LaMnO3. *Journal of the American Ceramic Society*, **2014**, 97, 2623-2630	3.8	6
40	MgO films grown on yttria-stabilized zirconia by molecular beam epitaxy. *Journal of Crystal Growth*, **2008**, 310, 2760-2766	1.6	6
39	Influence of Dipolar Fields on the Photochemical Reactivity of Thin Titania Films on BaTiO3 Substrates. *Journal of the American Ceramic Society*, **2006**, 89, 060623005134019-???	3.8	6
38	Synthesis and Structure of LaSr2CuTiO6.5: A New Oxygen-Deficient Ruddlesden Popper Phase. *Chemistry of Materials*, **1996**, 8, 2792-2798	9.6	6

37	Quantitative Analysis of Multi-Scale Heterogeneities in Complex Electrode Microstructures. *Journal of the Electrochemical Society*, **2020**, 167, 054506	3.9	6
36	Distributions of local electrochemistry in heterogeneous microstructures of solid oxide fuel cells using high-performance computations. *Electrochimica Acta*, **2020**, 345, 136191	6.7	5
35	Influence of pH and Surface Orientation on the Photochemical Reactivity of SrTiO. *ACS Applied Materials & Interfaces*, **2020**, 12, 23617-23626	9.5	5
34	Spatially selective photochemical activity on surfaces of ferroelastics with local polarization. *Semiconductor Science and Technology*, **2017**, 32, 103001	1.8	5
33	Preferential orientation relationships in Ca2MnO4 Ruddlesden-Popper thin films. *Journal of Applied Physics*, **2015**, 118, 045306	2.5	5
32	Growth and structural characterization of epitaxial Ba0.6Sr0.4TiO3 films deposited on REScO3(110) (RE=Dy, Gd) substrates using pulsed laser deposition. *Journal of Crystal Growth*, **2008**, 310, 1991-1998	1.6	5
31	Metastable monoclinic [110] layered perovskite DyTiO thin films for ferroelectric applications.. *RSC Advances*, **2019**, 9, 19895-19904	3.7	4
30	The Facet Structure and Photochemical Reactivity of Arbitrarily Oriented Strontium Titanate Surfaces. *Advanced Materials Interfaces*, **2019**, 6, 1900731	4.6	4
29	Quantitative interpretation of impedance spectroscopy data on porous LSM electrodes using X-ray computed tomography and Bayesian model-based analysis. *Physical Chemistry Chemical Physics*, **2017**, 19, 25334-25345	3.6	4
28	In situ Synchrotron X-ray Studies of Dense Thin-Film Strontium-Doped Lanthanum Manganite Solid Oxide Fuel Cell Cathodes. *Materials Research Society Symposia Proceedings*, **2008**, 1126, 1		4
27	Synthesis, Structures, and Physical Properties of Yttrium-Doped Strontium Manganese Oxide Films. *Materials Research Society Symposia Proceedings*, **2002**, 718, 1		4
26	Electrical Conductivity Relaxation Study of Solid Oxide Fuel Cell Cathodes using Epitaxial (001)-Oriented Strontium-Doped Lanthanum Manganite Thin Films. *Materials Research Society Symposia Proceedings*, **2010**, 1255, 202		3
25	Examination of Chromium Effects on a LSM/YSZ Solid Oxide Fuel Cell Cathode. *Ceramic Engineering and Science Proceedings*,147-158	0.1	3
24	High performance modeling of heterogeneous SOFC electrode microstructures using the MOOSE framework: ERMINE (Electrochemical Reactions in MIcrostructural NEtworks). *MethodsX*, **2020**, 7, 100822	1.9	2
23	A new series of layered pure perovskites (ACuO2.5)2(ATiO3)m. *Physica C: Superconductivity and Its Applications*, **1997**, 282-287, 837-838	1.3	2
22	Stability and Structural Characterization of Epitaxial NdNiO3 Films Grown by Pulsed Laser Deposition. *Materials Research Society Symposia Proceedings*, **2000**, 658, 3271		2
21	Combinatorial substrate epitaxy investigation of polytypic growth of AEMnO3 (AE=Ca, Sr). *Journal of the American Ceramic Society*, **2020**, 103, 2225-2234	3.8	2
20	In situ X-ray Studies of (La,Sr)MnO3_(La,Sr)CoO3_and La0.6Sr0.4Co0.2Fe0.8O3- Thin Film SOFC Cathodes Grown by Pulse Laser Deposition. *Materials Research Society Symposia Proceedings*, **2013**, 1495, 1		1

19	Molecular Beam Epitaxial Growth and Dielectric Characterization of Ba0.6Sr0.4TiO3 Films. *Materials Research Society Symposia Proceedings*, **2006**, 966, 1		1
18	New tailored cuprates grown by pulsed laser deposition. *Physica C: Superconductivity and Its Applications*, **2000**, 341-348, 339-342	1.3	1
17	Growth and Structural Characterization of Sr2TiO4: Chemical Control Over the Terminating SrTiO3 Surface.. *Materials Research Society Symposia Proceedings*, **1999**, 587, O3.3.1		1
16	Controlling Defects in Double-Layer Cuprates by Chemical Modifications. *Materials Research Society Symposia Proceedings*, **1996**, 453, 171		1
15	Layered Cuprates. *Materials Research Society Symposia Proceedings*, **1996**, 453, 311		1
14	Influence of surface orientation on the photochemical reactivity of CaTiO3. *Journal of the American Ceramic Society*, **2020**, 103, 4498-4506	3.8	1
13	Influence of orientation and ferroelectric domains on the photochemical reactivity of La2Ti2O7. *Journal of the European Ceramic Society*, **2021**, 41, 319-325	6	1
12	Cation disorder in Ga1212. *Inorganic Chemistry*, **2000**, 39, 3386-91	5.1	0
11	Quantifying morphological variability and operating evolution in SOFC anode microstructures. *Journal of Power Sources*, **2021**, 498, 229846	8.9	0
10	Ferroelectric-Enhanced Photocatalysis with TiO2/BiFeO3 **2014**, 15-24		
9	Defect Analysis in La0.7Sr0.3MnO3 Epitaxial Thin Films by Electron Channeling Contrast Imaging (ECCI). *Microscopy and Microanalysis*, **2014**, 20, 1036-1037	0.5	
8	Potential Driven Chemical Expansion of La0.6Sr0.4Co1-xFexO3-□Thin Films on Yttria Stabilized Zirconia. *Materials Research Society Symposia Proceedings*, **2013**, 1494, 259-264		
7	Dislocation Analysis in Metal-Oxide Materials and Devices by Electron Channeling Contrast Imaging. *Microscopy and Microanalysis*, **2012**, 18, 706-707	0.5	
6	A-Site Ordered, Perovskite-Like Manganites Grown by PLD or Laser-MBE: Their Growth, Structural and Physical Characterization. *Materials Research Society Symposia Proceedings*, **1999**, 602, 277		
5	High-Throughput Study of Trivalent Doped SrTiO3 for Photocatalytic Overall Water Splitting. *ECS Meeting Abstracts*, **2021**, MA2021-02, 1307-1307	0	
4	Epitaxial Phase Selection in the Rare Earth Manganite System. *Ceramic Transactions*,59-67	0.1	
3	Effect of Surface Treatment on Chiral and Achiral SrTiO3 Surface Morphology and Metal Thin Film Growth. *Ceramic Transactions*,37-46	0.1	
2	Epitaxial Phase Stability of SrMnO3□ Films on Polycrystalline Perovskite Substrates. *Crystal Growth and Design*, **2021**, 21, 4547-4555	3.5	

1	Combined Electron Channeling Contrast Imagining (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. *Microscopy and Microanalysis*, **2016**, 22, 1346-1347	0.5