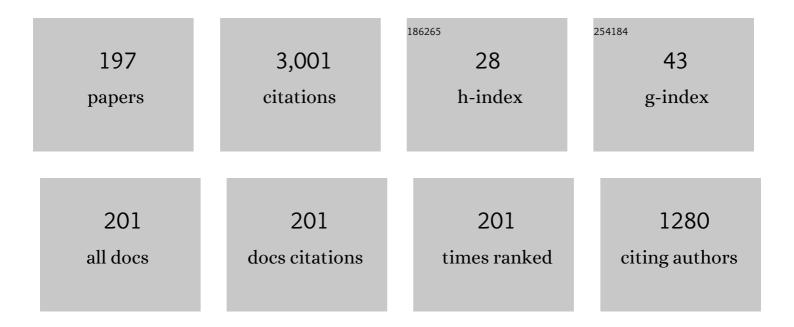
Vladimir Markevich

List of Publications by Year in descending order

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VIADIMID MARKEVICH

#	Article	IF	CITATIONS
1	Experimental Evidence of the Oxygen Dimer in Silicon. Physical Review Letters, 1998, 80, 93-96.	7.8	115
2	Vacancy–group-V-impurity atom pairs in Ge crystals doped with P, As, Sb, and Bi. Physical Review B, 2004, 70, .	3.2	108
3	Hydrogen–oxygen interaction in silicon at around 50 °C. Journal of Applied Physics, 1998, 83, 2988-2993.	. 2.5	97
4	Thermal activation and deactivation of grownâ€in defects limiting the lifetime of floatâ€zone silicon. Physica Status Solidi - Rapid Research Letters, 2016, 10, 443-447.	2.4	82
5	Tutorial: Junction spectroscopy techniques and deep-level defects in semiconductors. Journal of Applied Physics, 2018, 123, .	2.5	82
6	Electronic properties of antimony-vacancy complex in Ge crystals. Journal of Applied Physics, 2004, 95, 4078-4083.	2.5	77
7	I6nterstitial carbon-oxygen center and hydrogen related shallow thermal donors in Si. Physical Review B, 2001, 65, .	3.2	75
8	Permanent annihilation of thermally activated defects which limit the lifetime of floatâ€zone silicon. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 2844-2849.	1.8	69
9	Electronic properties of vacancy–oxygen complex in Ge crystals. Applied Physics Letters, 2002, 81, 1821-1823.	3.3	68
10	Trivacancy and trivacancy-oxygen complexes in silicon: Experiments andab initiomodeling. Physical Review B, 2009, 80, .	3.2	55
11	Defect reactions associated with divacancy elimination in silicon. Journal of Physics Condensed Matter, 2003, 15, S2779-S2789.	1.8	52
12	Gettering of interstitial iron in silicon by plasma-enhanced chemical vapour deposited silicon nitride films. Journal of Applied Physics, 2016, 120, .	2.5	52
13	Defect engineering in Czochralski silicon by electron irradiation at different temperatures. Nuclear Instruments & Methods in Physics Research B, 2002, 186, 121-125.	1.4	50
14	The oxygen dimer in Si: Its relationship to the light-induced degradation of Si solar cells?. Applied Physics Letters, 2011, 98, .	3.3	45
15	Vibrational absorption from vacancy-oxygen-related complexes (VO, V2O, VO2) in irradiated silicon. Physica B: Condensed Matter, 1999, 273-274, 291-295.	2.7	44
16	Structure and properties of vacancy-oxygen complexes inSi1â^'xGexalloys. Physical Review B, 2004, 69, .	3.2	42
17	Recombination via point defects and their complexes in solar silicon. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 1884-1893.	1.8	42
18	Radiationâ€induced shallow donors in Czochralskiâ€grown silicon crystals saturated with hydrogen. Journal of Applied Physics, 1994, 76, 7347-7350.	2.5	38

#	Article	IF	CITATIONS
19	Identification of the mechanism responsible for the boron oxygen light induced degradation in silicon photovoltaic cells. Journal of Applied Physics, 2019, 125, .	2.5	36
20	The VO2* defect in silicon. Physica B: Condensed Matter, 2003, 340-342, 509-513.	2.7	35
21	Electronic and dynamical properties of the silicon trivacancy. Physical Review B, 2012, 86, .	3.2	35
22	Donor level of bond-center hydrogen in germanium. Physical Review B, 2004, 69, .	3.2	34
23	VO _n (n≥3) Defects in Irradiated and Heat-Treated Silicon. Solid State Phenomena, 2005, 108-109, 267-272.	0.3	34
24	Thermal Double Donors and Quantum Dots. Physical Review Letters, 2001, 87, 235501.	7.8	33
25	Complexes of the self-interstitial with oxygen in irradiated silicon:. Physica B: Condensed Matter, 2001, 302-303, 188-192.	2.7	31
26	Interaction between self-interstitials and the oxygen dimer in silicon. Physica B: Condensed Matter, 2001, 308-310, 284-289.	2.7	31
27	Structure and electronic properties of trivacancy and trivacancy-oxygen complexes in silicon. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 568-571.	1.8	31
28	Optical Absorption due to Vibration of Hydrogen-Oxygen Pairs in Silicon. Materials Science Forum, 1995, 196-201, 915-920.	0.3	29
29	Carbon-Oxygen-Related Complexes in Irradiated and Heat-Treated Silicon: IR Absorption Studies. Solid State Phenomena, 2001, 82-84, 57-62.	0.3	28
30	Evolution of radiation-induced carbon–oxygen-related defects in silicon upon annealing: LVM studies. Nuclear Instruments & Methods in Physics Research B, 2006, 253, 210-213.	1.4	27
31	Tin-vacancy complex in germanium. Journal of Applied Physics, 2011, 109, .	2.5	27
32	New infrared absorption bands related to interstitial oxygen in silicon. Journal of Applied Physics, 1998, 84, 2466-2470.	2.5	26
33	Thermal double donor annihilation and oxygen precipitation at around 650 °C in Czochralski-grown Si: local vibrational mode studies. Journal of Physics Condensed Matter, 2005, 17, S2237-S2246.	1.8	25
34	Energy state distributions of the Pb centers at the (100), (110), and (111) Siâ^•SiO2 interfaces investigated by Laplace deep level transient spectroscopy. Applied Physics Letters, 2008, 92, .	3.3	25
35	The Oxygen Dimer in Silicon: Some Experimental Observations. Materials Science Forum, 1997, 258-263, 361-366.	0.3	23
36	Evidence for trapped by carbon impurities in silicon. Physica B: Condensed Matter, 2001, 308-310, 197-201.	2.7	23

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37	Radiation-induced defects and their transformations in oxygen-rich germanium crystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2003, 0, 702-706.	0.8	23
38	Formation of interstitial carbon–interstitial oxygen complexes in silicon: Local vibrational mode spectroscopy and density functional theory. Physical Review B, 2008, 78, .	3.2	23
39	Boron–Oxygen Complex Responsible for Lightâ€Induced Degradation in Silicon Photovoltaic Cells: A New Insight into the Problem. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900315.	1.8	23
40	Observation and theory of theVâ^'Oâ^'H2complex in silicon. Physical Review B, 2000, 61, 12964-12969.	3.2	22
41	Vacancy–oxygen complex in Si1ⰒxGex crystals. Applied Physics Letters, 2003, 82, 2652-2654.	3.3	22
42	Evolution of vacancy-related defects upon annealing of ion-implanted germanium. Physical Review B, 2008, 78, .	3.2	22
43	Formation of Oxygen Dimers in Silicon during Electron-Irradiation Above 250 °C. Materials Science Forum, 1997, 258-263, 367-372.	0.3	21
44	Titanium in silicon: Lattice positions and electronic properties. Applied Physics Letters, 2014, 104, 152105.	3.3	20
45	A comparative study of ion implantation and irradiation-induced defects in Ge crystals. Materials Science in Semiconductor Processing, 2006, 9, 589-596.	4.0	19
46	Passivation of titanium by hydrogen in silicon. Applied Physics Letters, 2013, 103, 132103.	3.3	19
47	Evidence for an iron-hydrogen complex in p-type silicon. Applied Physics Letters, 2015, 107, .	3.3	19
48	Acceptor levels of the carbon vacancy in 4H-SiC: Combining Laplace deep level transient spectroscopy with density functional modeling. Journal of Applied Physics, 2018, 124, 245701.	2.5	19
49	Thermally activated defects in float zone silicon: Effect of nitrogen on the introduction of deep level states. Journal of Applied Physics, 2018, 124, .	2.5	19
50	Characterisation of negative-U defects in semiconductors. Journal of Physics Condensed Matter, 2020, 32, 323001.	1.8	19
51	Cs–H2* defect in crystalline silicon. Physica B: Condensed Matter, 2001, 302-303, 220-226.	2.7	18
52	Vacancy–oxygen complex in Ge crystals. Physica B: Condensed Matter, 2003, 340-342, 844-848.	2.7	17
53	The vacancy–donor pair in unstrained silicon, germanium and SiGe alloys. Journal of Physics Condensed Matter, 2005, 17, S2293-S2302.	1.8	17
54	Implantation defects and n-type doping in Ge and Ge rich SiGe. Thin Solid Films, 2008, 517, 152-154.	1.8	17

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55	Emission and Capture Kinetics for a Hydrogen-Related Negative-U Center in Silicon: Evidence for Metastable Neutral Charge State. Materials Science Forum, 1997, 258-263, 217-222.	0.3	16
56	Electrically active radiation-induced defects in Czochralski-grown Si with low carbon content. Journal of Physics Condensed Matter, 2005, 17, S2331-S2340.	1.8	16
57	Bistability and electrical activity of the vacancy-dioxygen complex in silicon. Semiconductors, 2006, 40, 1282-1286.	0.5	15
58	EPR Study of Hydrogen-Related Radiation-Induced Shallow Donors in Silicon. Physica Status Solidi (B): Basic Research, 1998, 210, 545-549.	1.5	14
59	Vacancy-related complexes in neutron-irradiated silicon. Journal of Physics Condensed Matter, 2005, 17, S2229-S2235.	1.8	14
60	Interstitial Carbon Related Defects in Low-Temperature Irradiated Si: FTIR and DLTS Studies. Solid State Phenomena, 2005, 108-109, 261-266.	0.3	14
61	Determination of interstitial oxygen concentration in germanium by infrared absorption. Journal of Applied Physics, 2006, 100, 033525.	2.5	14
62	Electron emission and capture by oxygen-related bistable thermal double donors in silicon studied with junction capacitance techniques. Journal of Applied Physics, 2018, 124, .	2.5	14
63	Local vibrational modes of the oxygen-vacancy complex in germanium. Semiconductors, 2002, 36, 621-624.	0.5	13
64	Defect-impurity interactions in irradiated tin-doped Cz-Si crystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2003, 0, 694-697.	0.8	13
65	Saddle point for oxygen reorientation in the vicinity of a silicon vacancy. Physical Review B, 2003, 67, .	3.2	13
66	Metastable VO ₂ Complexes in Silicon: Experimental and Theoretical Modeling Studies. Solid State Phenomena, 2005, 108-109, 223-228.	0.3	13
67	Radiation-Induced Defect Reactions in Cz-Si Crystals Contaminated with Cu. Solid State Phenomena, 2008, 131-133, 363-368.	0.3	13
68	Laplace deep level transient spectroscopy: Embodiment and evolution. Physica B: Condensed Matter, 2012, 407, 3026-3030.	2.7	13
69	Donor levels of the divacancy-oxygen defect in silicon. Journal of Applied Physics, 2014, 115, 012004.	2.5	13
70	Powerful recombination centers resulting from reactions of hydrogen with carbon–oxygen defects in nâ€ŧype Czochralskiâ€grown silicon. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700133.	2.4	13
71	New insights into the thermally activated defects in n-type float-zone silicon. AIP Conference Proceedings, 2019, , .	0.4	13
72	Metastability and Negative-U Properties for Hydrogen-Related Radiation-Induced Defect in Silicon. Materials Science Forum, 1995, 196-201, 945-950.	0.3	12

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73	lon implantation and electron irradiation damage in unstrained germanium and silicon–germanium alloys. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 124-125, 166-169.	3.5	12
74	<i>E</i> 1/ <i>E</i> 2 traps in 6H-SiC studied with Laplace deep level transient spectroscopy. Applied Physics Letters, 2013, 102, .	3.3	12
75	Kinetics of Bulk Lifetime Degradation in Floatâ€Zone Silicon: Fast Activation and Annihilation of Grownâ€In Defects and the Role of Hydrogen versus Light. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 2000436.	1.8	12
76	New Infrared Vibrational Bands Related to Interstitial and Substitutional Oxygen in Silicon. Solid State Phenomena, 1999, 69-70, 309-314.	0.3	11
77	Oxygen and Carbon Clustering in Cz-Si during Electron Irradiation at Elevated Temperatures. Solid State Phenomena, 1999, 69-70, 297-302.	0.3	11
78	Local vibrational mode spectroscopy of thermal donors in germanium. Physica B: Condensed Matter, 1999, 273-274, 570-574.	2.7	11
79	Interaction of hydrogen (deuterium) molecules with interstitial oxygen atoms in silicon. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1999, 58, 26-30.	3.5	11
80	Early stages of oxygen clustering in hydrogenated Cz-Si: IR absorption studies. Physica B: Condensed Matter, 2001, 302-303, 180-187.	2.7	11
81	Defect reactions associated with the dissociation of the phosphorus–vacancy pair in silicon. Physica B: Condensed Matter, 2001, 308-310, 513-516.	2.7	11
82	Divacancy-Oxygen and Trivacancy-Oxygen Complexes in Silicon: Local Vibrational Mode Studies. Solid State Phenomena, 0, 156-158, 129-134.	0.3	11
83	Trivacancy-oxygen complex in silicon: Local vibrational mode characterization. Physica B: Condensed Matter, 2009, 404, 4568-4571.	2.7	11
84	Recombination via transition metals in solar silicon: The significance of hydrogen–metal reactions and lattice sites of metal atoms. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1700304.	1.8	11
85	Electronic Properties and Structure of a Complex Incorporating a Self-Interstitial and two Oxygen Atoms in Silicon. Solid State Phenomena, 2005, 108-109, 273-278.	0.3	10
86	Radiation-induced bistable centers with deep levels in silicon n +–p structures. Semiconductors, 2016, 50, 751-755.	0.5	10
87	Silicon incorporation in a shallow donor center in hydrogenated Czochralski-grown Si crystals: An EPR study. Physical Review B, 1997, 56, R12695-R12697.	3.2	9
88	Spectroscopic observation of the TDD0 in silicon. Physica B: Condensed Matter, 2003, 340-342, 1046-1050.	2.7	9
89	Electric field enhancement of electron emission from deep level traps in Ge crystals. Physica B: Condensed Matter, 2006, 376-377, 200-203.	2.7	9
90	Impedance and barrier capacitance of silicon diodes implanted with high-energy Xe ions. Microelectronics Reliability, 2010, 50, 813-820.	1.7	9

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91	Exceptional gettering response of epitaxially grown kerfless silicon. Journal of Applied Physics, 2016, 119, .	2.5	9
92	Direct observation of hydrogen at defects in multicrystalline silicon. Progress in Photovoltaics: Research and Applications, 2021, 29, 1158-1164.	8.1	9
93	Isotopic effects on vibrational modes of thermal double donors in Si and Ge. Physica B: Condensed Matter, 2001, 308-310, 290-293.	2.7	8
94	Carbon-related centres in irradiated SiGe alloys. Physica B: Condensed Matter, 2003, 340-342, 823-826.	2.7	8
95	Oxygen-related radiation-induced defects in SiGe alloys. Journal of Physics Condensed Matter, 2003, 15, S2835-S2842.	1.8	8
96	Trivacancy in silicon: A combined DLTS and ab-initio modeling study. Physica B: Condensed Matter, 2009, 404, 4565-4567.	2.7	8
97	Structure, Electronic Properties and Annealing Behavior of Di-Interstitial-Oxygen Center in Silicon. Solid State Phenomena, 0, 242, 290-295.	0.3	8
98	Electrical Characterization of Thermally Activated Defects in n-Type Float-Zone Silicon. IEEE Journal of Photovoltaics, 2021, 11, 26-35.	2.5	8
99	Thermal Double Donors in Silicon: A New Insight into the Problem. , 1996, , 329-336.		8
100	Thermal Donor Formation and Mechanism of Enhanced Oxygen Diffusion in Silicon. Materials Science Forum, 1989, 38-41, 589-594.	0.3	7
101	Over-coordinated oxygen in the interstitial carbon–oxygen complex. Physica B: Condensed Matter, 2001, 308-310, 305-308.	2.7	7
102	Publisher's Note: Donor level of bond-center hydrogen in germanium [Phys. Rev. B69, 245207 (2004)]. Physical Review B, 2004, 70, .	3.2	7
103	Understanding Ion Implantation Defects in Germanium. ECS Transactions, 2006, 3, 67-76.	0.5	7
104	Molybdenum nano-precipitates in silicon: A TEM and DLTS study. Physica Status Solidi (B): Basic Research, 2014, 251, 2201-2204.	1.5	7
105	Electronic Properties and Structure of Boron–Hydrogen Complexes in Crystalline Silicon. Solar Rrl, 2022, 6, 2100459.	5.8	7
106	Dynamics of Hydrogen in Silicon at Finite Temperatures from First Principles. Physica Status Solidi (B): Basic Research, 2022, 259, .	1.5	7
107	Local vibrational mode bands due to a DX-like hydrogen-related center in silicon. Journal of Applied Physics, 1998, 84, 1246-1250.	2.5	6
108	Enhanced formation of thermal donors in irradiated germanium: Local vibrational mode spectroscopy. Semiconductors, 1999, 33, 1163-1165.	0.5	6

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109	Electronic Properties and Thermal Stability of Defects Induced by MeV Electron/Ion Irradiations in Unstrained Germanium and SiGe Alloys. Solid State Phenomena, 2005, 108-109, 253-260.	0.3	6
110	Electron- and hole-related electrical activity of InAs/GaAs quantum dots. Physica B: Condensed Matter, 2007, 401-402, 580-583.	2.7	6
111	Interactions of Self-Interstitials with Interstitial Carbon-Interstitial Oxygen Center in Irradiated Silicon: An Infrared Absorption Study. Solid State Phenomena, 0, 205-206, 218-223.	0.3	6
112	Interactions of hydrogen with vanadium in crystalline silicon. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 2838-2843.	1.8	6
113	Theory of a carbonâ€oxygenâ€hydrogen recombination center in nâ€ŧype Si. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1700309.	1.8	6
114	The diâ€interstitial in silicon: Electronic properties and interactions with oxygen and carbon impurity atoms. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1700261.	1.8	6
115	Optical Properties and the Mechanism of the Formation of V2O2 and V3O2 Vacancy–Oxygen Complexes in Irradiated Silicon Crystals. Semiconductors, 2018, 52, 1097-1103.	0.5	6
116	Passivation of thermally-induced defects with hydrogen in float-zone silicon. Journal Physics D: Applied Physics, 2021, 54, 275105.	2.8	6
117	Photoluminescence characterization of defects created in electron-irradiated silicon at elevated temperatures. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2000, 72, 146-149.	3.5	5
118	Early stages of oxygen precipitation in silicon: The effect of hydrogen. Semiconductors, 2000, 34, 998-1003.	0.5	5
119	Hydrogen-plasma-enhanced oxygen precipitation in silicon. Journal of Physics Condensed Matter, 2000, 12, 10145-10152.	1.8	5
120	Electronic properties of vacancy–oxygen complexes in SiGe alloys. Physica B: Condensed Matter, 2003, 340-342, 790-794.	2.7	5
121	Interaction of self-interstitials with oxygen-related defects in electron-irradiated Ge crystals. Materials Science in Semiconductor Processing, 2006, 9, 613-618.	4.0	5
122	Iron-aluminium pair reconfiguration processes in SiGe alloys. Journal of Materials Science: Materials in Electronics, 2007, 18, 759-762.	2.2	5
123	Complexes of self-interstitials with oxygen atoms in germanium. Materials Science in Semiconductor Processing, 2008, 11, 344-347.	4.0	5
124	Interactions of Cu and Ni Impurities with Vacancy-related Point Defects in Czochralski-grown Si Crystals. ECS Transactions, 2009, 18, 1013-1018.	0.5	5
125	Local vibrational modes of the oxygen trimer in Si. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 709-712.	0.8	5
126	Local vibrational modes of interstitial boron–interstitial oxygen complex in silicon. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 2850-2854.	1.8	5

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127	Radiationâ€induced interstitial carbon atom in silicon: Effect of charge state on annealing characteristics. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1700262.	1.8	5
128	Effect of Hydrogen on Oxygen-Related Defect Reactions in Silicon at Elevated Temperatures. , 1996, , 103-122.		5
129	Acceptor-oxygen defects in silicon: The electronic properties of centers formed by boron, gallium, indium, and aluminum interactions with the oxygen dimer. Journal of Applied Physics, 2021, 130, 245703.	2.5	5
130	Calibration Factor for Determination of Interstitial Oxygen Concentration in Germanium by Infrared Absorption. Solid State Phenomena, 2005, 108-109, 735-740.	0.3	4
131	Germanium $\hat{a} \in $ The Semiconductor of Tomorrow?. AlP Conference Proceedings, 2006, , .	0.4	4
132	Hydrogen-related shallow donors in Ge crystals implanted with protons. Materials Science in Semiconductor Processing, 2006, 9, 629-633.	4.0	4
133	Identification of stable and metastable forms of centers in germanium. Physica B: Condensed Matter, 2007, 401-402, 192-195.	2.7	4
134	Electrically active defects induced by hydrogen and helium implantations in Ge. Materials Science in Semiconductor Processing, 2008, 11, 354-359.	4.0	4
135	Formation of Radiation-Induced Defects in Si Crystals Irradiated with Electrons at Elevated Temperatures. Solid State Phenomena, 0, 156-158, 299-304.	0.3	4
136	Interstitial-related defect reactions in electron-irradiated oxygen-rich Ge crystals: A DLTS study. Physica B: Condensed Matter, 2009, 404, 4533-4536.	2.7	4
137	Radiation-Induced Defect Reactions in Tin-Doped Ge Crystals. Solid State Phenomena, 0, 178-179, 392-397.	0.3	4
138	Divacancy-iron complexes in silicon. Journal of Applied Physics, 2013, 113, 044503.	2.5	4
139	Recombination centers resulting from reactions of hydrogen and oxygen in n-type Czochralski silicon. , 2016, , .		4
140	Vanadium in silicon: Lattice positions and electronic properties. Applied Physics Letters, 2017, 110, 142105.	3.3	4
141	Lifetime degradation of n-type Czochralski silicon after hydrogenation. Journal of Applied Physics, 2018, 123, .	2.5	4
142	Infrared Vibrational Bands Related to Thermal Donors in Germanium. Solid State Phenomena, 1999, 69-70, 303-308.	0.3	3
143	Vibration modes of oxygen dimers in germanium. Semiconductors, 2001, 35, 864-869.	0.5	3
144	Phonon-assisted changes in charge states of deep level defects in germanium. Physica B: Condensed Matter, 2006, 376-377, 61-65.	2.7	3

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145	Oxygen loss and thermal double donor formation in germanium. Materials Science in Semiconductor Processing, 2006, 9, 619-624.	4.0	3
146	High-resolution DLTS of vacancy–donor pairs in P-, As- and Sb-doped silicon. Physica B: Condensed Matter, 2006, 376-377, 73-76.	2.7	3
147	Vacancy defect reactions associated with oxygen and bismuth in irradiated germanium. Physica B: Condensed Matter, 2006, 376-377, 93-96.	2.7	3
148	Vacancy Clusters in Germanium. Solid State Phenomena, 0, 131-133, 125-130.	0.3	3
149	Electrically active defects induced by irradiations with electrons, neutrons and ions in Ge-rich SiGe alloys. Physica B: Condensed Matter, 2007, 401-402, 184-187.	2.7	3
150	Effect of high-temperature heat treatment on the generation and annealing of radiation-induced defects in n-type silicon crystals. Inorganic Materials, 2007, 43, 1153-1159.	0.8	3
151	Electrically active hydrogen-implantation-induced defects in Ge crystals and SiGe alloys. Thin Solid Films, 2008, 517, 419-421.	1.8	3
152	The Trivacancy and Trivacancy-Oxygen Family of Defects in Silicon. Solid State Phenomena, 0, 205-206, 181-190.	0.3	3
153	Evidence for Molybdenumâ€Hydrogen Bonding in pâ€Type Silicon upon Annealing under Illumination. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800611.	1.8	3
154	Interaction of Radiationâ€Induced Selfâ€Interstitials with Vacancyâ€Oxygen Related Defects V n O 2 (n from) Tj	ETQq0 0 (1.8) rgBT /Overlo
155	On the Correlation between Light-Induced Degradation and Minority Carrier Traps in Boron-Doped Czochralski Silicon. ACS Applied Materials & Interfaces, 2021, 13, 6140-6146.	8.0	3
156	Interaction of Hydrogen with Radiation-Induced Defects in Cz-Si Crystals. Solid State Phenomena, 1999, 69-70, 403-408.	0.3	2
157	Local vibrational mode bands of V–O–H complexes in silicon. Physica B: Condensed Matter, 1999, 273-274, 300-304.	2.7	2
158	Effect of high-temperature electron irradiation on the formation of radiative defects in silicon. Physica B: Condensed Matter, 1999, 273-274, 528-531.	2.7	2
159	Response to "Comment on â€~Hydrogen–oxygen interaction in silicon at around 50 °C' ―[J. A 4635 (2000)]. Journal of Applied Physics, 2000, 87, 4637-4637.	ppl. Phys. 2.5	87 ₂
160	Enhancement of thermal donor formation in germanium by preliminary irradiation: infrared absorption measurements. Physica B: Condensed Matter, 2001, 302-303, 201-205.	2.7	2
161	Magnetic resonance and FTIR studies of shallow donor centers in hydrogenated Cz-silicon. Physica B: Condensed Matter, 2001, 308-310, 253-256.	2.7	2
162	Stable Hydrogen Pair Trapped at Carbon Impurities in Silicon. Defect and Diffusion Forum, 2003, 221-223, 1-10.	0.4	2

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163	Recombination and radiation damage in crystalline silicon solar cell material. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 2274-2281.	0.8	2
164	The different behaviour of CiOi and CiCs defects in SiGe. Materials Science in Semiconductor Processing, 2006, 9, 58-61.	4.0	2
165	Divacancy-related complexes in Si(1â^'x)Ge(x). Materials Science in Semiconductor Processing, 2006, 9, 525-530.	4.0	2
166	Defects induced by irradiation with fast neutrons in n-type germanium. Materials Science in Semiconductor Processing, 2006, 9, 606-612.	4.0	2
167	Alloy shift of "no-germanium―iron-related electronic levels in unstrained silicon-germanium alloys. Physical Review B, 2007, 76, .	3.2	2
168	Interaction of copper atoms with radiation-induced defects in silicon. Inorganic Materials, 2010, 46, 333-338.	0.8	2
169	Reconfigurations and diffusion of trivacancy in silicon. Physica B: Condensed Matter, 2012, 407, 2974-2977.	2.7	2
170	Electrical and Optical Defect Evaluation Techniques for Electronic and Solar Grade Silicon. Lecture Notes in Physics, 2015, , 129-180.	0.7	2
171	Thermally stable carbon–oxygen complexes in irradiated silicon crystals. Inorganic Materials: Applied Research, 2016, 7, 192-195.	0.5	2
172	Transformation of Structural Defects and The Hydrogen State Upon Heat Treatment of Hydrogenated Silicon. Journal of Applied Spectroscopy, 2019, 86, 822-824.	0.7	2
173	GaN surface sputter damage investigated using deep level transient spectroscopy. Materials Science in Semiconductor Processing, 2021, 126, 105654.	4.0	2
174	Indiumâ€Doped Silicon for Solar Cells—Lightâ€Induced Degradation and Deepâ€Level Traps. Physica Status Solidi (A) Applications and Materials Science, 0, , 2100108.	1.8	2
175	Interactions of Hydrogen Atoms with Acceptor–Dioxygen Complexes in Czochralskiâ€Grown Silicon. Physica Status Solidi (A) Applications and Materials Science, 2022, 219, .	1.8	2
176	Magnetic resonance studies of shallow donor centers in hydrogenated Cz–Si crystals. Physica B: Condensed Matter, 2001, 302-303, 212-219.	2.7	1
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