

Michael J. Naughton

Evelyn J. & Robert A. Ferris Professor

Department of Physics, Boston College, Chestnut Hill, Massachusetts 02467 USA

11. , F. Ye, M.J. Burns, G. McMahon, S. Shepard and M.J. Naughton, *Physica Status Solidi (A)* **212**, 566-572 (2015).
[doi:10.1002/pssa.201431618](https://doi.org/10.1002/pssa.201431618)
12. (Invited Critical Review), B. Rizal, J.M. Merlo, M.J. Burns, T.C. Chiles and M.J. Naughton, *Analyst* **140**, 39-58 (2015). (JOURNAL COVER).
[doi:10.1039/c4an01447b](https://doi.org/10.1039/c4an01447b), PMID: 25279400
13. , F. Ye, M.J. Burns and M.J. Naughton, *Scientific Reports* **4**, 7267 (2014) (5 pp).
[doi:10.1038/srep07267](https://doi.org/10.1038/srep07267)
14. , J.M. Merlo, F. Ye, M.J. Burns and M.J. Naughton, *Optics Express* **22**, 22895-22904 (2014). Selected by the Optical Society of America Editors for Virtual Journal for Biomedical Optics (VJBO).
[doi:10.1364/OE.22.022895](https://doi.org/10.1364/OE.22.022895), PMID: 25321760
15. , F. Ye, M.J. Burns and M.J. Naughton, *Advanced Optical Materials* **2**, 957-965 (2014). (JOURNAL FRONTISPIECE).
[doi:10.1002/adom.201400080](https://doi.org/10.1002/adom.201400080)
16. J.M. Merlo, B. Rizal, Fan Ye, M.J. Burns and M.J. Naughton, *Optics Express* **22**, 14148-54 (2014).
[doi:10.1364/OE.22.014148](https://doi.org/10.1364/OE.22.014148), PMID: 24977513
17. , A.H. Rose, B.M. Wirth, R.E. Hatem, A.P. Rashed Ahmed, M.J. Burns, M.J. Naughton and K. Kempa, *Optics Express* **22**, 5228-5233 (2014).
[doi:10.1364/OE.22.005228](https://doi.org/10.1364/OE.22.005228), PMID: 24663862
18. (Invited Review), F. Ye, J. M. Merlo, M.J. Burns and M.J. Naughton, *Nanophotonics* **3**, 33-49 (2014).
[doi:10.1515/nanoph-2013-0038](https://doi.org/10.1515/nanoph-2013-0038)
19. , P. Dhakal and M.J. Naughton, *Annual Journal of Central Department of Physics AJCDP2014*, Tribhuvan University, Kirtipur, Nepal (2014).
20. , B. Rizal, M.M. Archibald, T. Connolly, S. Shepard, M.J. Burns,

26.

54.

, S. Chen, J.Y. Huang, Z.F. Ren, Z.Q. Wang, K. Kempa, M.J. Naughton, G. Chen and M.S. Dresselhaus, *Microscopy and Microanalysis* **12**, 488-489 (2006).

83. , C.C. Choi, N. Sabaurin, M.J. Naughton, J. Moser, K. Blagoev and A. Usheva, *Biophysical Chemistry* **103**, 109-115 (2003).
[doi:10.1016/S0301-4622\(02\)00236-3](https://doi.org/10.1016/S0301-4622(02)00236-3) PMID: 12568934
84. A.G. Lebed and M.J. Naughton, *Journal de Physique IV France* **12**, Pr9/369-372 (2002).
[doi:10.1051/jp4:20020440](https://doi.org/10.1051/jp4:20020440)
85. T. Baldacchini, R. Ferrer, H. Chen, M. Previte, J. Moser, M.J. Naughton and J.T. Fourkas, *Proceedings of SPIE* **4633**, "Commercial and Biomedical Applications of Ultrafast and Free Electron Lasers" p.136-144 (2002).
[doi:10.1117/12.461373](https://doi.org/10.1117/12.461373)
86. , K. Kempa, Y. Zhou, J. Engelbrecht, P. Bakshi, H. I. Ha, J. Moser, M.J. Naughton, J. Ulrich, G. Strasser and K. Unterrainer, *Physical Review Letters* **88**, 226803 (2002).
[doi:10.1103/PhysRevLett.88.226803](https://doi.org/10.1103/PhysRevLett.88.226803)
87. , I.J. Lee, M.J. Naughton and P.M. Chaikin, *Physical Review Letters* **88**, 207002 (2002).
[doi:10.1103/PhysRevLett.88.207002](https://doi.org/10.1103/PhysRevLett.88.207002)
88. , I.J. Lee, P.M. Chaikin and M.J. Naughton, *Physical Review B-Rapid Communications* **65**, 180502(R) (2002).
[doi:10.1103/PhysRevB.65.180502](https://doi.org/10.1103/PhysRevB.65.180502)
- 89.

98. : M.J. Naughton,
Physical Review B **61**, 1605-1609 (2000).
[doi:10.1103/PhysRevB.61.1605](https://doi.org/10.1103/PhysRevB.61.1605)
99. , D.

112. , D. Vignolles, J.P. Ulmet, M.J. Naughton, L. Binet and J.M. Fabre, Physical Review B **58**, 14476-14480 (1998).
[doi:10.1103/PhysRevB.58.14476](https://doi.org/10.1103/PhysRevB.58.14476)
113. , I.J. Lee and M.J. Naughton, Physical Review B **57**, 7423-7426 (1998).
[doi:10.1103/PhysRevB.57.7423](https://doi.org/10.1103/PhysRevB.57.7423)
114. , L. Brossard, R. Clerac, C. Coulon, M. Tokumoto, T. Ziman, D.K. Petrov, V.N. Laukhin, M.J. Naughton, A. Audouard, F. Goze, A. Kobayashi, H. Kobayashi and P. Cassoux, European Physics Journal **B1**, 439-452 (1998).
[doi:10.1007/s100510050207](https://doi.org/10.1007/s100510050207)
115. , O.H. Chung and M.J. Naughton, Journal of the Korean Physical Society **33**, 584-588 (1988).
<http://www.kps.or.kr/jkps/downloadPdf.asp?articleid=%7BB05C7BE1-1BEF-48A0-AB7E-FF7E04E18BCC%7D>
116. M.J. Naughton, J.P. Ulmet, N. Narjis,

126. , A. Veneva, D.K. Petrov, P. Dittrich and M.J. Naughton, *Physica C* **271**, 230-234 (1996).
doi:10.1016/S0921-4534(96)00560-6
127. , C.A. Wang, Z.F. Ren, J.H. Wang, D.K. Petrov, M.J. Naughton, W.Y. Yu and A. Petrou, *Physica C* **262**, 98-102 (1996).
doi:10.1016/0921-4534(96)00193-1
128. , O.H. Chung and M.J. Naughton, *Journal of the Korean Physical Society* **29** (2), 209-212 (1996).
[link](#)
129. , I.J. Lee, A.P. Hope, M.J. Leone and M.J. Naughton, *Synthetic Metals* **70**, 747-750 (1995).
doi:10.1016/0379-6779(94)02636-D
130. , G.E. Granroth, L.K. Chou, W.W. Kim, M. Chaparala, M.J. Naughton, E. Haanappel, A. Lacerda, D. Rickel, D.R. Talham and M.W. Meisel, *Physica B* **211**, 208-212 (1995).
doi:10.1016/0921-4526(94)00987-7
131. , M.J. Naughton, Chapter in “Materials for Electronic Packaging”, Edited by D.D.L. Chung (Butterworth-Heinemann, Boston, 1995).
ISBN: 0-7506-9314-2
132. C.Q. Shen, K.D. Vuong, J.A.A. Williams, A. Leone, J. Fagan, R.L. Snyder, X.W. Wang, M. DeMarco, J. Stuckey, D. Petrov and M.J. Naughton *Applied Superconductivity* **3**, 67-72 (1995).
doi:10.1016/0964-1807(95)00034-3
133. , A.P. Hope, I.J. Lee and M.J. Naughton, *Applied Superconductivity* **2**, 645-650 (1994).
doi:10.1016/0964-1807(94)90061-2
134. , D.K. Petrov, Z.F. Ren, C.A. Wang, J.H. Wang and M.J. Naughton, *Applied Superconductivity* **2**, 729-734 (1994).
doi:10.1016/0964-1807(94)90073-6
135. , I.J. Lee, A.P. Hope, M.J. Leone and M.J. Naughton, *Applied Superconductivity* **2**, 753-758 (1994).
doi:10.1016/0964-1807(94)90077-9
136. , M.J. Naughton, *Applied Superconductivity* **2** (10-12), 621 (1994).
doi:10.1016/0964-1807(94)90057-4
137. , M. DeMarco, X. Wang, S. Bayya, R.L. Snyder, M. White and M.J. Naughton, *Journal of Applied Physics* **73**, 2245 (1993).
doi:10.1063/1.352672
- 138.

140. , X. Bu, I. Cisarova, P. Coppens, B. Lederle and M.J. Naughton, *Acta Crystallographica* **C48**, 516-519 (1992).
[doi:10.1107/S0108270191009320](https://doi.org/10.1107/S0108270191009320)
141. , X. Bu, P. Coppens, B. Lederle and M.J. Naughton, *Acta Crystallographica* **C48**, 1560-1561 (1992).
[doi:10.1107/S0108270192005262](https://doi.org/10.1107/S0108270192005262)
142. , M.J. Naughton, O.H. Chung, M. Chaparala, X. Bu and P. Coppens, *Physical Review Letters* **67**, 3712-3715 (1991).
[doi:10.1103/PhysRevLett.67.3712](https://doi.org/10.1103/PhysRevLett.67.3712)
143. , X. Bu, A. Frost-Jensen, R. Allendoerfer, P. Coppens, B. Lederle and M.J. Naughton, *Solid State Communications* **79**, 1053-1057 (1991).
[doi:10.1016/0038-1098\(91\)90009-K](https://doi.org/10.1016/0038-1098(91)90009-K)
144. , X. Bu, P. Coppens, B. Lederle and M.J. Naughton, *Acta Crystallographica* **C47**, 2082-2085 (1991).
[doi:10.1107/S010827019100505X](https://doi.org/10.1107/S010827019100505X)
145. , M. DeMarco, M. Qi, J.H. Wang, M. Chaparala and M.J. Naughton, *Solid State Communications* **78**, 385-389 (1991).
[doi:10.1016/0038-1098\(91\)90689-S](https://doi.org/10.1016/0038-1098(91)90689-S)

[doi:10.1103/PhysRevB.39.885](https://doi.org/10.1103/PhysRevB.39.885)

156.

M.J. Naughton, R.C. Yu, P.K. Davies, J.E. Fischer, R.V. Chamberlin, Z.Z. Wang, T.W. Jing, N.P. Ong and P.M. Chaikin, *Physical Review B* **38**, 9280-9283 (1988).

[doi:10.1103/PhysRevB.38.9280](https://doi.org/10.1103/PhysRevB.38.9280)

157.

, M.J. Naughton, R.V. Chamberlin, X. Yan, L.Y. Chiang, S.Y.

Hss(Ha-.000o)4. C17(Chian)ai(e)-.ki(e)-.5.7Pe y00os(Ha)4.9(e)-.5.2(vies,)5w1s15()Tj61/TT4 1 Tf1.251D.0019 Tc-.0005

18th International Conference on Low Temperature Physics (Kyoto, 1987), Japanese Journal of Applied Physics **26**, 575-576 (1987).
[doi:10.7567/JJAPS.26S3.575](https://doi.org/10.7567/JJAPS.26S3.575)

171. X. Yan, R.V. Chamberlin, L.Y. Chiang, M.J. Naughton, J.S. Brooks and P.M. Chaikin, NATO ASI **155**, 211-218 (1987).
[doi:10.1007/978-1-4899-3611-0_17](https://doi.org/10.1007/978-1-4899-3611-0_17)

172. Y. Shapira, S. Foner, P. Becla, D. Domingues, M.J. Naughton and J.S. Brooks, Physical Review **B33**, 356-365 (1986).
[doi:10.1103/PhysRevB.33.356](https://doi.org/10.1103/PhysRevB.33.356)

173. W. Shafarman, T.G. Castner, J.S. Brooks, K.P. Martin, M.J. Naughton, Physical Review Letters **56**, 979-983 (1986).
[doi:10.1103/PhysRevLett.56.980](https://doi.org/10.1103/PhysRevLett.56.980)

174.

[doi:10.1103/PhysRevB.30.7310](https://doi.org/10.1103/PhysRevB.30.7310)

185.

Patents

Issued

1. , US Patent No. 5,739,686 (1996).
2. , US Patent No. 5,923,166 (1999).
3. , US Patent No. 5,977,767
(1999).
4. , US Patent No. 5,925,822 (1999).
5. , US Patent No. 6,418,081 (2002).
6. , US Patent No. 6,887,365 (2005).
7. , US Patent No. 6,958,216 (2005).
- 8.