Luminescence literature

The journal provides comprehensive literature searches on all aspects of luminescence which will be published in most issues. These lists have been produced regularly since 1986—some by year and some by specialized topic. This survey covers the 2002 literature on green fluorescent protein (GFP); see volume 17, page 386, and for previous surveys on this topic. GFP is now used extensively, as reflected by the large number of hits in literature searches for GFP (>1200 for 2002). This survey of the 2002 GFP literature is restricted to publications in which GFP is a major theme. In order to maximize their usefulness, future surveys of GFP will focus on sub-topics of GFP technology.

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GREEN FLUORESCENT PROTEIN (GFP)

GFP expression in the mammary gland for imaging of mammary tumor cells in transgenic mice	Ahmed F, Wyckoff J, Lin EY <i>et al.</i>	Cancer Res 2002;62:7166–7169
GFP-display, an easy detection method for single amino acid changes in a target polypeptide: application to random mutagenesis	Aoki T, Tahara T, Fujino H, Watabe H	Anal Biochem 2002;300:103–106
Construction and characterization of a proU-gfp transcriptional fusion that measures water availability in a microbial habitat	Axtell CA, Beattie GA	Appl Environ Microbiol 2002;68:4604–4612
Random insertion of green fluorescent protein into the regulatory subunit of cyclic adenosine monophosphate-dependent protein kinase	Baehler PJ, Biondi RM, van Bemmelen M, Veron M, Reymond CD	Methods Mol Biol 2002;183:57–68
Tracking and selection of retrovirally transduced murine bone marrow cells using green fluorescent protein	Bagley J, Iacomini J	Methods Mol Biol 2002;183:309–320
High-throughput clonal selection of recombinant CHO cells using a dominant selectable and amplifiable metallothionein–GFP fusion protein	Bailey CG, Tait AS, Sunstrom NA	Biotechnol Bioeng 2002;80:670–676
Visualizing cellular phosphoinositide pools with GFP-fused protein modules	Balla T, Varnai P	Sci STKE 2002;2002:PL3
<i>Escherichia coli</i> survival in groundwater and effluent measured using a combination of propidium iodide and the green fluorescent protein	Banning N, Toze S, Mee BJ	J Appl Microbiol 2002;93:69–76
Structural chemistry of a green fluorescent protein Zn biosensor	Barondeau DP, Kassmann CJ, Tainer JA, Getzoff ED	J Am Chem Soc 2002;124:3522–3524
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