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pip install torch-geometric
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Collecting torch-geometric

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n (23): # Compute ROC AUC and False Positive Rate (FPR), True Positive Rate (TPR)
roc_auc, fpr, tpr = compute_roc_auc(model, test_loader)

# Plot the ROC curve
plt.figure(figsize=(8, 6))
plt.plot(fpr, tpr, label='ROC Curve (AUC = {roc_auc:.4f})', color='blue')
plt.plot([0, 1], [0, 1], linestyle='--', color='gray') # Random guess line
plt.xlabel('False Positive Rate')
plt.ylabel('True Positive Rate')
plt.title('Receiver Operating Characteristic (ROC) Curve')
plt.legend()
plt.grid()
plt.show()
```

Receiver Operating Characteristic (ROC) Curve